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HARDWARE

HARDWARE EXCLUSIVELY.

A Review of the American Hardware Market.

Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. XV. No. 1. New York, April 10, 1897. $1.00 A YEAR



MAGNOLIA METAL

IN USE BY

Ten Leading Governments.

BEST ANTI-FRICTION METAL FOR

High-speed Engine, Dynamo, Rolling-Mill, Steamship, Railroad, Saw-Mill, Cotton Mill, Paper Mill, Woolen-Mill and all Machinery Bearings.

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ANY DEALER knows that a Stove Polish which other manufacturers try to imitate, is the Polish for him to sell. The enormous sale of

Enameline Modern Stove Polish

Proves that dealers are friendly to it, and that consumers will accept no substitute for ENAMELINE. Why? Because it's

THE BEST!

"THE SURVIVAL OF THE FITTEST."

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U. M. C. PAPER SHELLS TOOK THE HIGHEST HONORS.

The Hon. Thomas A. Marshall, of Keithsburg, Ill., was the only contestant out of 134 shooters facing the traps who made a clean score of 25 birds. . . . . .

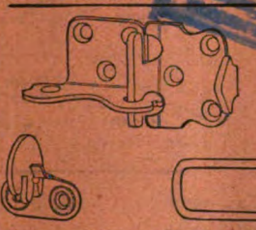
HE USED U. M. C. TRAP SHELLS.

Of the remaining 33 other prize winners, 27 used **U. M. C. SHELLS.** The result of this contest speaks volumes for the **quality of U. M. C. Goods.**

A sample of the kind of shell used by the winner of the first prize will be sent upon application.

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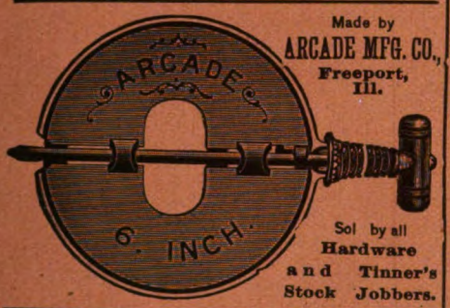
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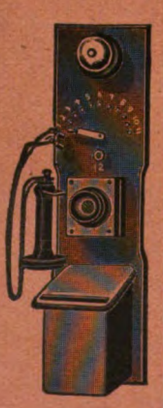
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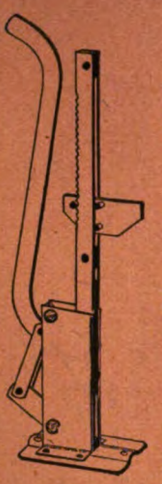
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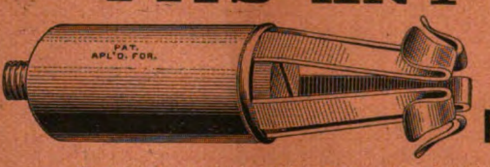
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No Kitchen Complete Without it. . . .

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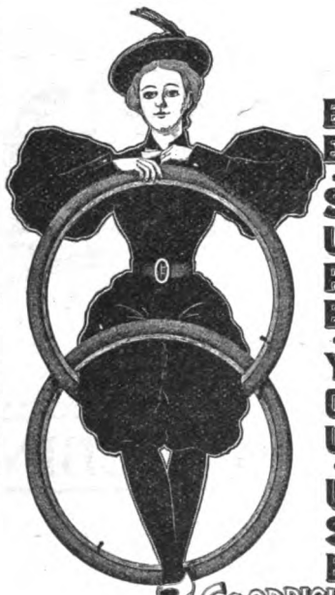
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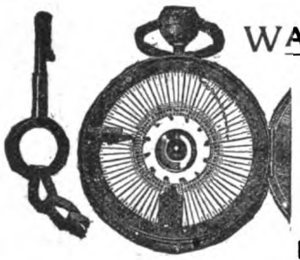


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SOLID FRAME.
NO HOLES DRILLED INTO IT.
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It is the Strongest Umbrella on the globe.
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Made of **strong fiber, wound,** and **steel bound,** they do not split open, nor chip off at edges, neither do their truss bottoms warp, loosen or leak.

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Patented.

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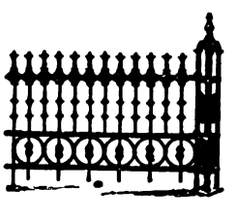
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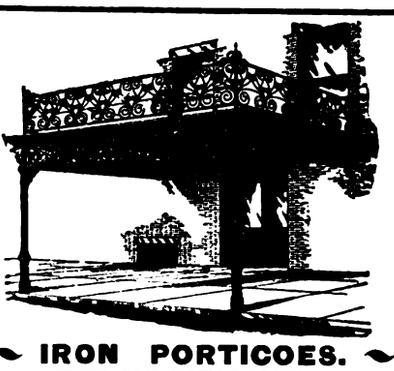


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Manufrs of Iron Fence, Jails, Architectural and Ornamental Iron Work.



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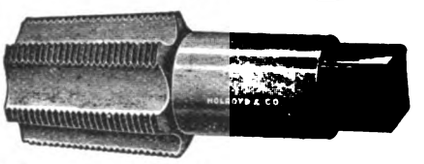
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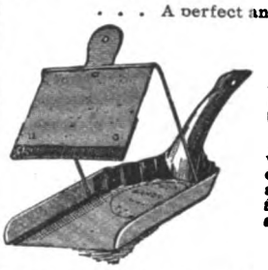


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. . . A perfect and complete



Household Specialty.

A Sink Cleaner and Shovel Combined. . . . . .

Tidy housekeepers will throw away the dirty sink broom and buy the Dandy Sink Cleaner on sight.

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

John W. Sudlow, 980 HALSEY STREET, BROOKLYN, N. Y.

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"EVERYTHING IS COMING UP."

BUSINESS IS BETTER AND THERE WILL BE A LARGER DEMAND THAN EVER FOR OUR

Sheep Skin Mitten.



Acknowledged to be the best article for polishing stoves, as it does away with the old time dirtiness of the work, making this work a pleasure. Also invaluable for polishing brass or glass, or silverware, which it does not scratch. For tan shoes and cleaning bicycles it has demonstrated itself a conspicuous success.

Diamond Hardware Co.,

624 Atlantic Ave., Boston, Mass.



PIPE and GUTTER.

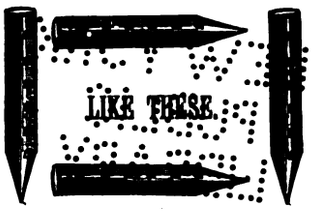
Extra large stock of galvanized corrugated pipe and slip joint gutter always on hand. Special sizes or copper stock made to order on short notice. . . . . .

Write for Prices.

Berger Bros., Philadelphia, Pa.

In Every Place THERE ARE PARTIES WHO USE DOWELL PINS.

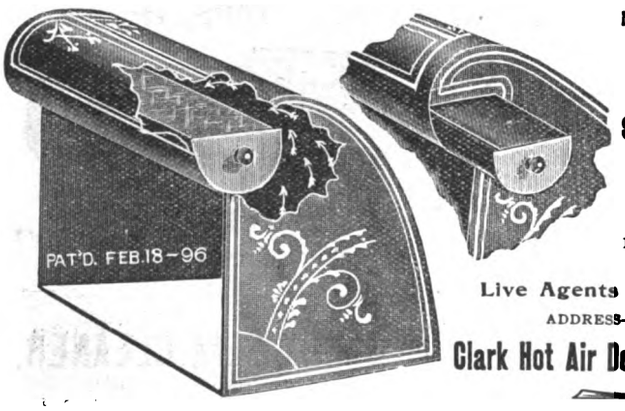
YOU can make a good PROFIT handling them.



WE will quote price delivered in any quantity to any point in the United States.

They are made by

SALEM WIRE NAIL CO., - Salem, Ohio.



No more black on your walls.
No more dust in your rooms.

USE

Clark's Steam and Hot Air Register Bonnets.

Patented Feb. 18, 1896.

All others are infringements.

1900 Sold in Akron, Ohio, in three months.

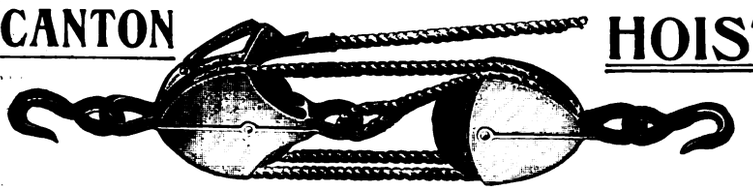
Live Agents Wanted in Every City.

ADDRESS

Clark Hot Air Deflector Co.,

Akron, Ohio.

The CANTON HOIST



Can be used perpendicularly, horizontally, and at any angle. . . .

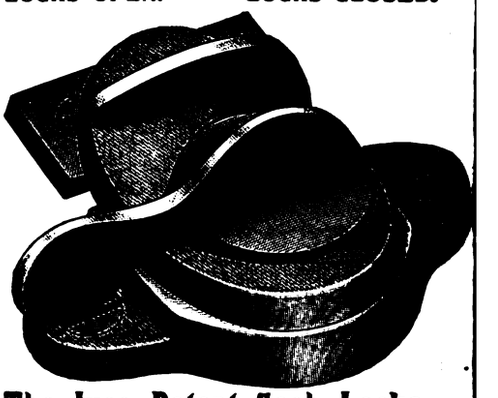
In factories of all kinds, foundries, quarries, mills and warehouses; also by contractors, carpenters, stone masons and all classes of mechanics. Manufactured by

THE NEY MFG. CO., CANTON, OHIO.

New Stamped Metal Sash Lock,

In Cold Rolled Steel, Bronze and Brass. In all the Popular Finishes.

LOCKS OPEN. LOCKS CLOSED.



The Ives Patent Sash Locks,

Have acknowledged superiority for the complete manner in which they perform the work they are intended to do. . . .

PATENTED AND PATENTS PENDING.

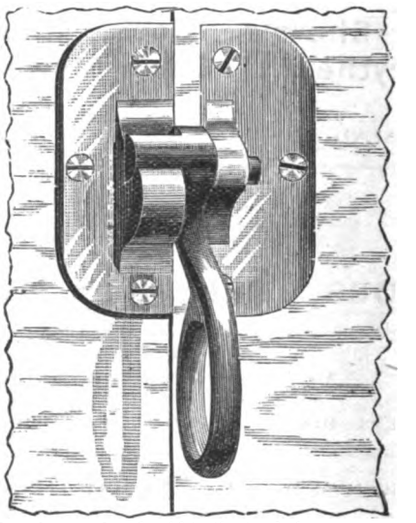
MANUFACTURED BY

HOBART B. IVES & CO.,

New Haven, Conn.

The CONROY PATENT Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

Beware of Infringements. Paschall, Phila.

BUY NO INCUBATOR



and pay for it before giving it a trial. The firm who is afraid to let you try their incubator before buying it has no faith in their machine. We will sell you ours ON TRIAL. NOT A CENT until tried, and a child can run it with 5 minutes attention a day. We won FIRST PRIZE WORLD'S FAIR, and will win you for a steady customer if you will only buy ours on trial. Our large catalogue will cost you 5 cents and give you $100 worth of practical information on poultry and incubators and the money there is in the business. Plans for Brooders, Houses, etc., 25c. N. B. Send us the names of three persons interested in poultry and 25 cents and we will send you "The Bicycle: Its Care and Repair," a book of 180 subjects and 80 illustrations, worth $5 to any bicycle rider.

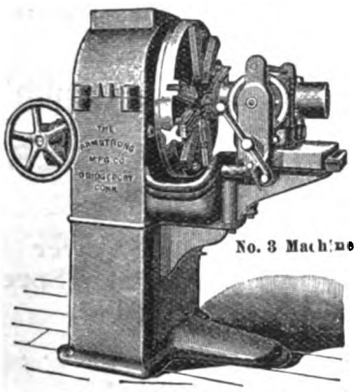
VON CULIN INCUBATOR CO.,
Box 1027, DELAWARE CITY, DEL.

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Your Stock Is Not Complete

Without a line of

The "ARMSTRONG"



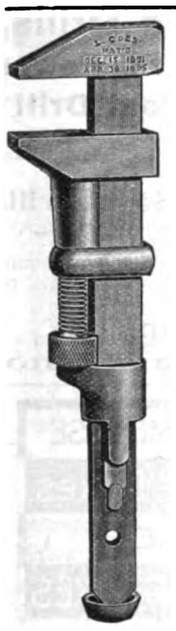
PIPE THREADING & CUTTING OFF MACHINES, ADJUSTABLE STOCKS & DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—

THEY ARE ALL "STANDARDS" AND NAVER DISAPPOINT. CATALOGUE!



THE ARMSTRONG MFG. CO., Bridgeport, Conn.

——NEW YORK OFFICE: 139 CENTRE STREET.——



L. COES'

Genuine Improved

KNIFE HANDLE

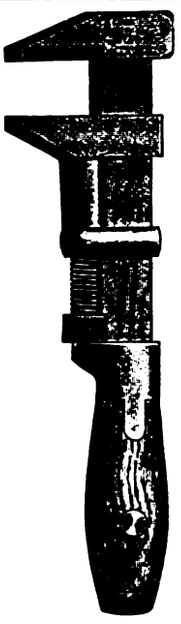
PATENT

Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.



Established in 1839. Registered April 9, 1895.

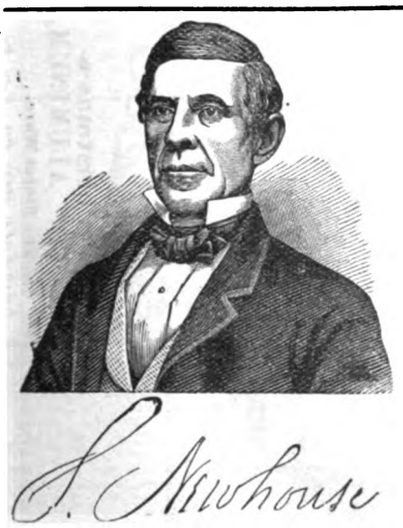
Patented Dec. 15 1891. Patented April 30, 1895.

Sectional View Illustrates our New Knife Handle, showing Manner of Construction.

☞ traight Bar, Extra Long Nut for Screw in Jaw. ☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.
JOHN H. GRAHAM & CO. } New York Agents.



L. Newhouse

Newhouse Steel Traps.

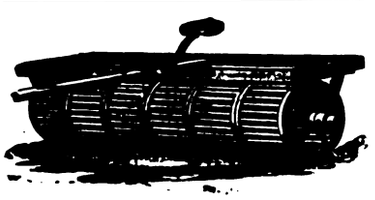
If you want to know all about STEEL TRAPS and how to catch fur-bearing animals send to

Oneida Community,

Limited,

KENWOOD, N. Y.

For Catalogue and Prices.



Cyclone Pulverizer.

The Greatest Seller known. Actually Sells on Sight. The only Pulverizer sent on approval and trial. See it and you will sell it. . . . See also our IRON KING and LEADER STEEL ROLLER. Best line of Rollers made.

The Fulton Machine Co., Sta. B, Canal Fulton, O

A MODEL CAN OF VARNISH.

The handsomest and most attractive can of varnish ever put on the market is being sold by the Glidden Varnish Co., of Cleveland, Ohio, who are one of the most enterprising and progressive varnish manufacturers in the country and the first varnish house to offer a high grade of varnish at an advertised low price, to be sold only in sealed cans, protecting the painter so that he may know that he is getting a standard grade of varnish, and just what it is going to cost him.

These varnishes are called M. P. Special Coach Varnish and M. P. Special Spar Varnish. The former is to be used on interior work and the latter on exterior work. The advantage of using both of these varnishes is that they can be left in the gloss finish or rubbed with either water or oil and pumice stone, giving much better results than the old-fashioned hard oil finish, as they produce a very elastic and durable finish and will not bloom. Both of these varnishes are put up in handsome cans with the label lithographed on the tin so that they cannot rust out or peel off, thus giving the dealer a can of varnish that will always look bright and nice, as the label can be washed off with soap and water and not be injured. These cans are also equipped with the new fulcrum cap and nozzle with inner seal, so that when the seal is broken the can has an air-tight cap, thus keeping the varnish in good condition and preventing evaporation.

Dealers should lose no time in putting in a stock of these varnishes, as they will sell on sight and they offer a liberal discount to the dealers, as they want them to act as distributing agents for both these specialties. The retail prices are as follows: M. P. Special Coach Varnish, in five-gallon cans, $1.25 per gal.; in one-gallon cans, $1.40 per gal. M. P. Special Spar Varnish, in one-gallon cans, $3.50 per gal.; in half-gallon cans, $1.90 each; in quart cans, $.95 each; in pint cans, $.50 each.

OHIO METAL CO.,

NORWALK, OHIO.



Awarded the Medal at Atlanta Exposition

Incorrodible Steel Hitching Post, ornamental and lasts a lifetime.

Automatically takes up slack of chain.

Freedom and comfort for animal. Safety and security for owner.

Ready Sellers.

Write for prices and secure exclusive agency for your city.

"FOR YEARS."

Henry Disston & Sons, Philadelphia, Pa. [*Saws, Files, etc.*]: Our opinion of HARDWARE is contained in the fact of our having carried an advertisement in your paper for a period of years.

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SAWS

BUY ONLY THE BEST
at Prices to Beat the World.
MAKE NO MISTAKE.
40 years' reputation is guarantee enough as to the high standard of the BEST SAWS MADE.

Hand, Back, Butcher, Cross Cut, Wood, Circular, Mill and Band Saws, Celebrated W. & McP., Cincinnati, Plastering Trowels.

OPERATING
RICHARDSON BROS.
WHEELER MADDEN & CLEMSON MFG. CO.
HARVEY W. PEACE CO.
WOODROUGH & McPARLIN.

SAWS

Write for Lists and Prices.

THE NATIONAL SAW CO.
NEWARK, N. J.



The . . .
"Advance"
line of
Blacksmith's DRILLS.

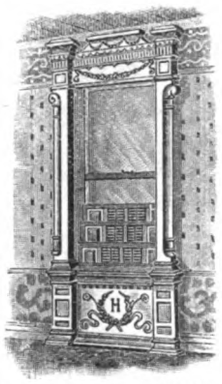
Hand or Power
Fast or Slow Speed
Self Feed

ALSO . . .
Silver's OLD LINE Hand Drills.
Silver's Power Post Drill
Cut Gears, Lever Feed, 19 inch Swing.

Silver's Power Base Drill,
Cut Gears, Combined Lever and Wheel Feed, Round or Square Base, 20 inch Swing. . . .
The last two drills are supplied with counter-shafts, and are suited for new work or repairs.

THE SILVER MFG. CO.,
SALEM, OHIO.

Hartman's Patent Inside Sliding Blind.

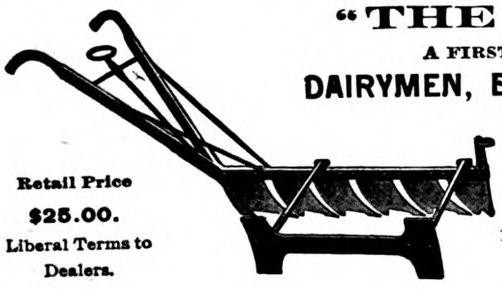


It is the most popular Blind in America; more convenient, 25 per cent. cheaper than the hinged blind, and will last double the length of time. The only blind that gives universal satisfaction. Tens of thousands are in use. Architects are specifying them on their merits. . . . . .

Also
Hartman's Patent Weighted Sliding Blinds are perfection themselves. Everybody is delighted with them. . . . .
Hartman's System of Window and Door Screens is very superior. . . . . .
Send 6c. in stamps for new 100-page illustrated catalogue, or send for free circular. Address . . .

HARTMAN SLIDING BLIND CO., *No. 100 LINCOLN AVENUE, CRESTLINE, OHIO, U. S A.*

LIVE HARDWARE MEN USE
PERFECT SHELF BOXES.
WE MAKE
PERFECT SHELF BOXES.
WRITE FOR CATALOGUE AND PRICES.
C.P. MOORE.
RAVENSWOOD, W.VA.



"THE ICE KING."
A FIRST CLASS ICE PLOW FOR
DAIRYMEN, BUTCHERS and FARMERS.

Retail Price
$25.00.
Liberal Terms to Dealers.

Wm. T. Wood & Co.,
Manufacturers of
FINE QUALITY ICE TOOLS,
100 Massachusetts Ave. - - Arlington, Mass.
Send for 1896-7 Illustrated Catalogue.



"ERIE" ALUMINUM

For Christmas
"ERIE" ALUMINUM,
The Finest Ware.
GRISWOLD MFG. CO., Erie, Pa.

NICKEL PLATING

LACQUERS,
CYANIDE POTASH,
NICKEL SALTS.

ESTAB. 1828. INCOR. 1881.
THE HANSON & VAN WINKLE Co.
OFFICE AND WORKS
NEWARK, N.J., U.S.A.,
NEW YORK. CHICAGO.

TRIPOLI,
ROUGE,
BUFFS, & C.

OUTFITS

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THE CYCLE LIGHT FOR 1897 WILL BE THE BANNER

SEE the '97 **BANNER** and you'll buy it. Buy, and it will sell—sell and you'll have a profit. That's what we are all after. . . . . .

WHY did it make the hit of '96 although out 3 months late? . . . . . .

BECAUSE it was the best made road light, and the handsomest lamp on the market for the money. . . . . .

THE BEST being our maximum. That's what our '97 lamp is, better than our '96, and the best of all '97 lamps. . . . . .

THE REASON we can do it, is that we have the best equipment in the world to make kerosene goods; and 25 years experience back of it. . . . . .



OUR WICK LOCK POSITIVELY PREVENTS WICK DROPPING.

Absolutely Wind Proof. Will Not Jolt Out. No Solder to Melt. All Parts Removable.
Fills on Outside of Oil Fount. Solid Brass, Heavily Nickeled. Easy to Take Apart. Easy to Put Together.
A Perfect Road Illuminant. A Very Handsome Lamp. 5½ Inches High. Weight, 12 Ounces.
Burns Kerosene in a Packed Fount No Splashing.

PLUME & ATWOOD MFG. Co., NEW YORK, BOSTON, CHICAGO.
Factories: Waterbury and Thomaston, Conn.

"OLD JOB JOHNSON'S."



The **Best Gate,**
Latch and Hinge
EVER MADE.

The Years Have Proved Their Value

Their One Fault :~~
They Won't Wear Out!

Simple, Durable and Cheap. Arranged to work without any spring, on its own Automatic principles. Send for descriptive circular and prices. . . . . .

Manufactured by **The Burr & Houston Co.,**
33 to 39 Franklin Street, - - - BROOKLYN, N Y.

THE WATERBURY
FARREL FOUNDRY
AND MACHINE CO.
WATERBURY, CONN. U S.A.

We have selected a few cuts from our Pamphlet of Miniature Illustrations, and have classified them in a series of small circulars, viz.:
No. 1. Rolling Mill Machinery for sheet metal.
No. 2. Tube and Wire Mill Machinery.
No. 3. Silverware and Coining Machinery.
No. 4. Hardware and Brass Goods Machinery.
No. 5. Bicycle Machinery.
If you are a manufacturer of sheet metal articles you are naturally interested in new machinery, and it will cost you only a two-cent stamp to request us to forward any of the above circulars.



LACLEDE & HERCULES BATTERIES

For Door Bells, Telephones, and Annunciators.

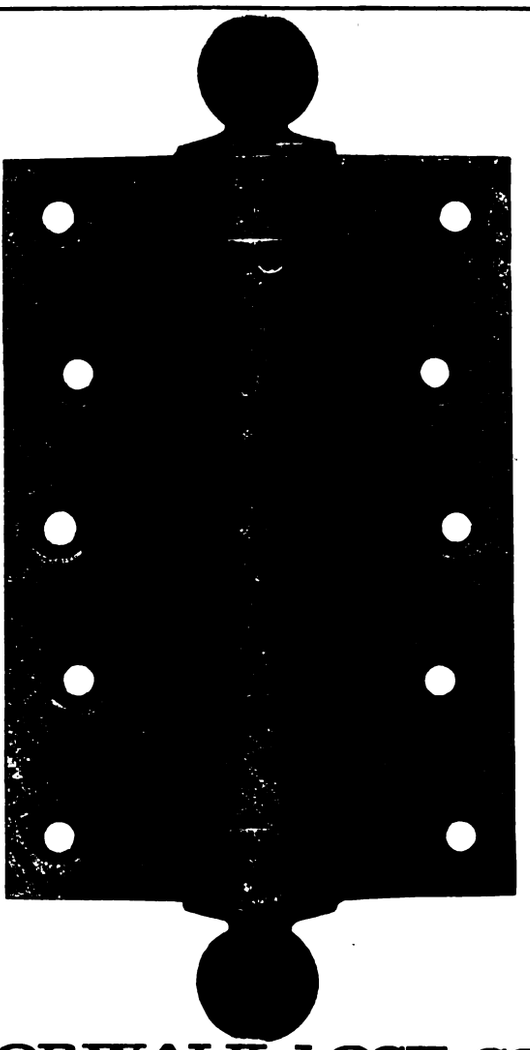
WARRANTED stronger and longer lived than any other Sal-Amoniac Battery made. . . . . .

MADE ONLY BY

PERU ELECTRIC MFG. CO.,
PERU, IND

ALSO MAKERS OF
ELECTRICAL PORCELAIN
OF ALL KINDS.

◆ Send for Catalogue. ◆



NORWALK LOCK CO.,

Manufacturers of
Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.
—SALESROOMS:—
Underhill, Clinch & Co., New York, 94 Chambers St
New York, 82 Chambers St. Boston, 200 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Reidel & Co.)

SHOOT BLUE ROCKS.

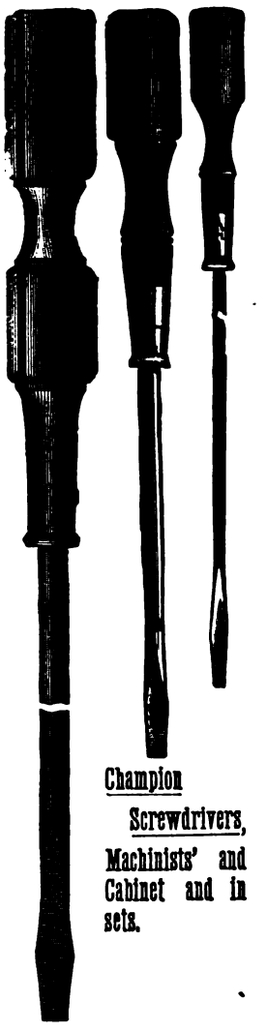
For Sale by all Jobbers.

Foreign Trade Supplied Direct or Through Exporters.

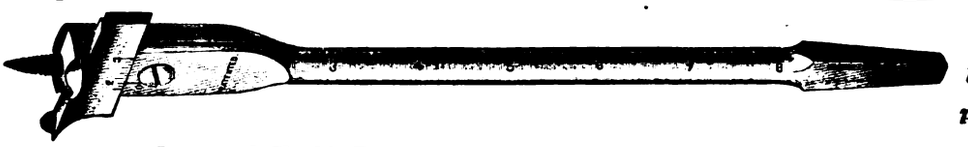
The Cleveland Target Co.,
Cleveland, Ohio.

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Carpenters and Machinists' Tools.

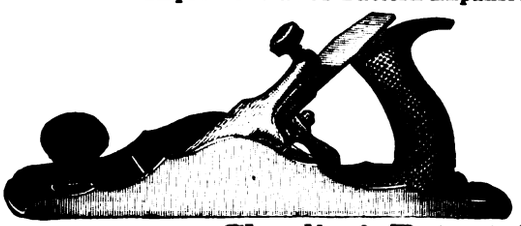


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

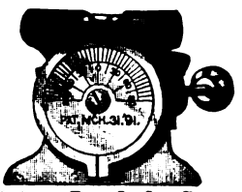
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





Corrugated Face.

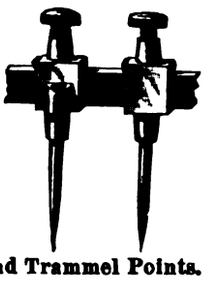
Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



Plumb Bobs and Trammel Points.

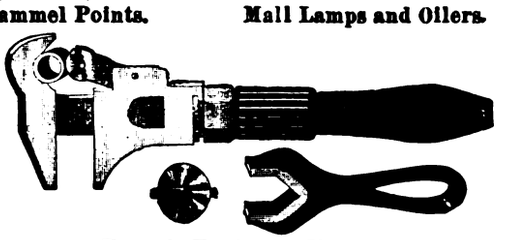




Mall Lamps and Oilers.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers Padlocks, Police Goods, Etc.

ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE,

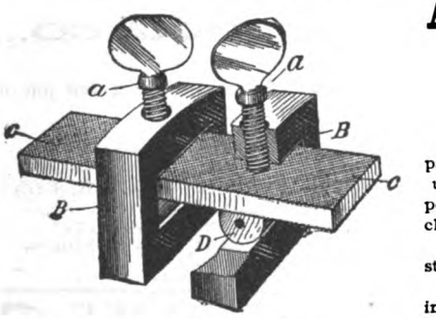
CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener



A New and Useful Article

Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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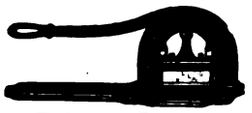
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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Measuring Faucet.


Tobacco Cutter.

We Make Faucets

That measure a pint, a quart or a gallon accurately. A Barrel Drainer that adjusts automatically to fit in the bunghole. No bung borers needed and no molasses wasted. Coffee, Spice and Drug Mills that grind as you like it. Draw Cut Tobacco Cutters that do not squeeze through, but cut with ease. Our goods are second to none. All are fully warranted. Send for Catalogue to

NATIONAL SPECIALTY MFG. CO.

Lehigh Ave. and Third St. - PHILADELPHIA, PA.


No. 3 Mill.


No. 1 Mill.

E. C. Atkins & Co.,



Indianapolis, Ind.

THE ORIGINAL

TUTTLE TOOTH.

The best saw in the world for the money. Fine Steel. Patent Temper. Why not supply your trade with the best saws, and buy the Atkins Brands? They're the best.

BRANCH HOUSES:

Memphis, Tenn. - Chattanooga, Tenn.
Minneapolis, Minn.

Write for Price List and Trade Price.

MFRS. OF

CIRCULAR,
BAND,
CROSS-CUT
AND HAND

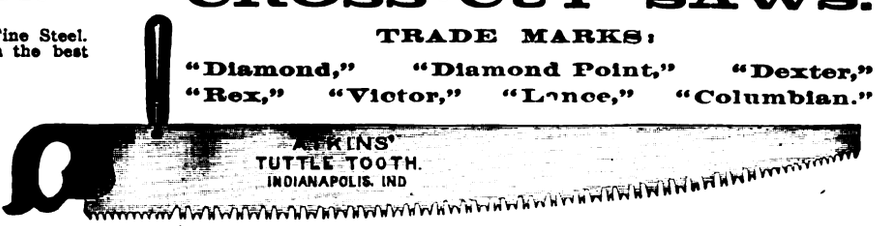
SAWS.

ATKINS' BRAND

CROSS-CUT SAWS.

TRADE MARKS:

"Diamond," "Diamond Point," "Dexter,"
"Rex," "Victor," "Lance," "Columbian."



Grand Combination for 1897.

GASOLINE, OIL & GAS.

Unequalled for Economy, Utility and Convenience.

Gasoline Stoves and Ranges.

A full and complete line of Single, Individual, Generating and Evaporating Stoves and Ranges of every style, including our celebrated "Gem" line, which on account of quality, style and price are to-day the most popular, economical, labor-saving Vapor Stoves ever put on the market. Also a full line of Stationary, Lay-down and Removable Tank Junior Stoves.

Blue Flame Oil Stoves

Which are to-day recognized, by all who have given them a thorough and competitive test, as having more real merit than anything in this line heretofore attempted, or likely to be in the future; and for perfect workmanship, durability, simplicity and quick-lighting, they have no equal. We make them in eleven different styles.

Gas Ranges and Stoves.

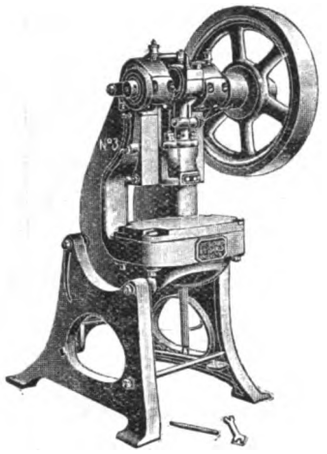
For artistic design, combining all the latest improvements, both in burners, ovens, and valves; made both with steel or cast-iron bodies, drop or swing doors, and constructed with a view of economy in fuel, with quick and perfect work, with the best of material and workmanship, stand to-day unequalled.

We would suggest to all who are interested in securing the best in either Gasoline, Blue Flame Oil Stoves, or Gas Ranges and Stoves, that it will be manifestly to their advantage to inform themselves of what is in the market before placing their order for the coming season.

Catalogues of each of the different lines will be sent on application.

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Manufacturers of

PRESSES AND DIES AND SPECIAL MACHINERY

FOR THE WORKING OF SHEET METAL.

Dies for Sheet Steel Stampings a Specialty.

708-710 Jamaica Avenue, BROOKLYN, N. Y., U. S. A.

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Did you ever see the like?

Seven men on one ladder—and it a small Step Ladder too—and it would carry as many more if they could get on it.

You know it keeps the old style Step Ladder busy to carry one good sized man or woman without breaking down; and they last but a year or two at best. . . . . .

This Step Ladder Will Carry All You Want to Put On It,

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There is but One Step Ladder made for mechanics, and

THIS IS THE ONE.

We manufacture

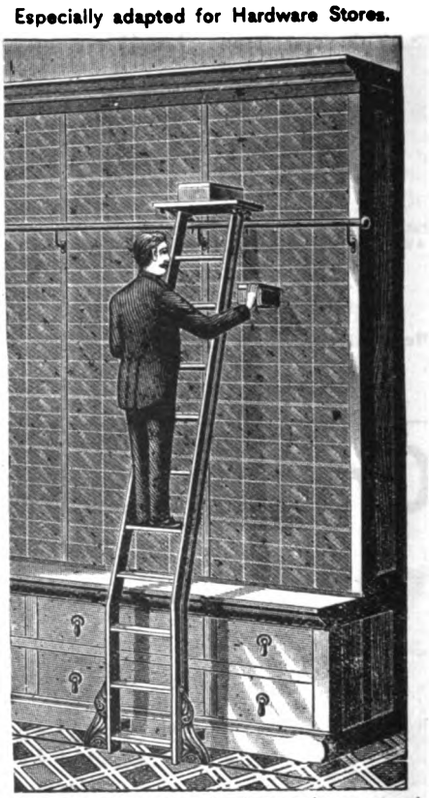
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Which are all covered by patents. No person else manufactures them but us. Write for Prices and Discounts.

Indiana Ladder Company, Indiana, Pa., U.S.A.

The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

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WITH PFLUEGERS LUMINOUS BAIT

You catch fish, while with others you might. Made in every suitable size and pattern known to modern anglers for



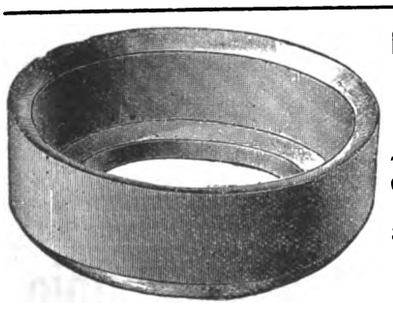
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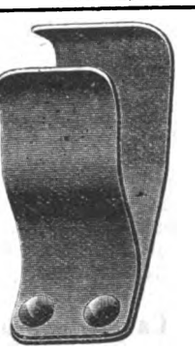
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Made of malleable iron. Can be used for more purposes than any truck ever made, and is sold at a low price. Every family should have one. We also manufacture a complete line of high grade Iron and Brass Hand and Wind Mill Pumps and Cylinders, Cast Iron Sinks, etc. Send for Circulars, Catalogue and Prices. . . .

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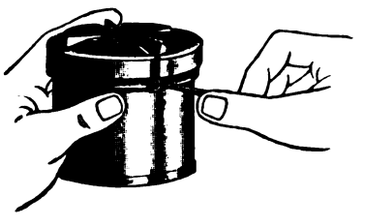
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Bicycle Enamel



Gillespie's Black Bicycle Enamel dries quickly and is elastic and durable. Produces a brilliant jet black finish. Put up in small cans, ready for use.

Your stock is not complete without it. Write for jobbers' special discount, and send us a sample order.

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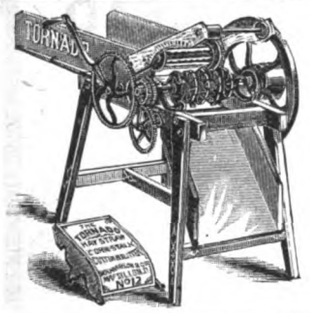
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Tornado Feed Cutters.

Made in ten sizes, from a small hand power size to a large horse or steam power size; they cut, split and thoroughly disintegrate the hardest corn stalks with or without the ears, and without additional attachments or additional power. Cuts all kinds of dry forage, i.e., hay straw, sheaf oats, etc. Will do better and faster work than any other make. Our new **AUTOMATIC CARRIERS** can be attached to any of our Power Cutters. **Guaranteed the best working and most durable Cutters ever made. Farmers who use the Tornado save half their feed. FOR CUTTING ENSILAGE THE TORNADO HAS NO EQUAL.**

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W. R. HARRISON & CO., Massillon, Ohio.

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Manufacturers of

Columbian Steam Rollers, Horse and Land Rollers, Saw Mills, Vertical and Horizontal Engines and Boilers, Feed Grinders, etc.

Steam Plants with ornamental fronts for boilers. Furnaces for running factories, heating hotels and business houses.

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Tools, Cutlery and Springs.



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CHADBORN & COLDWELL MFG. CO.,

NEWBURCH, N. Y.

Sole Manufacturers of

New Model and Excelsior

Lawn Mowers,



ALSO . . .
The RIVAL,
The O. K.,
ETC., ETC.

Send for Illustrated Catalogue and Discount Sheet for 1897.



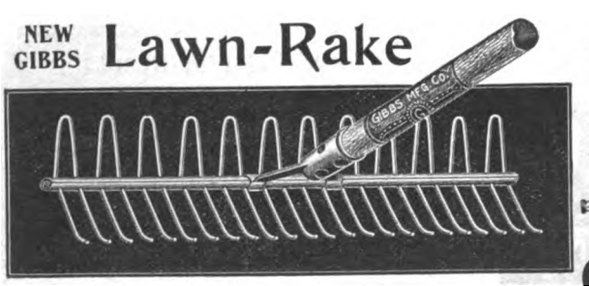
NO MORE BROKEN BACKS with THE CLEVELAND LAWN WEEDER

Send for Free Sample.

JOBBERS AND RETAILERS CAN MAKE MONEY WITH IT. Patented Liberal Discount to the Trade

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NEW GIBBS Lawn-Rake



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If you want **the Best**, insist upon having the New **"Gibbs."**

It costs no more and will please your customers better —in short **"It's perfection in Lawn Rakes."**

Send for '97 prices and Catalogue of quick-selling Hardware and Household Specialties.

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"BOSS" Garden Rake.

John H. Graham & Co., Sales Agents, 113 Chambers St., N. Y. City.

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Raisin and Grape Seeder
Tinned



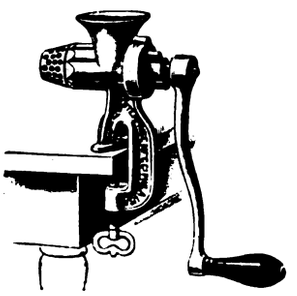
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NEW MEAT CHOPPER
Tinned



No. 2, Chops 1 pound per minute, $1.75
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Bone, Shell & Corn Mill



No. 750.....$7.50

Coffee and Spice Mill



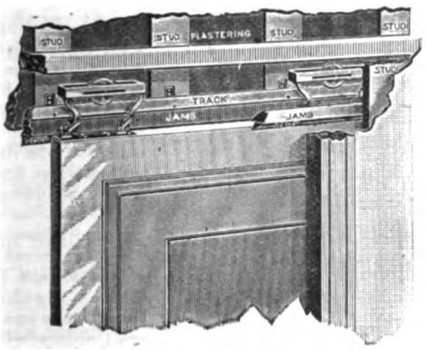
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25 sizes, $1.25 to $50.00

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IS the result of a twenty-year search for a perfect hanger. The Stearn's Hanger is of the single track, anti-friction type; principal parts of steel; perfect alignment; noiseless; each hanger independently adjustable; arranged in one-third the time required by others.

"The threaded hole in the hanger is countersunk so as to insure an easy entrance of the adjusting screw."

E. C. Stearns & Co.,

Send for Circular and Price-List. Syracuse, N. Y.

You take no risk on the quality. We make only the best!

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MANUFACTURERS OF
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SAND PAPER. EMERY PAPER.
EMERY CLOTH
CURLED HAIR.
FOUNDED 1828.
NEW YORK. BOSTON CHICAGO. PHILADELPHIA.

Sand Papers in Reams and Rolls — Flint Paper, Garnet Paper, Emery Paper, Emery Cloth

HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators.

BAEDER, ADAMSON & CO.

730 MARKET STREET, PHILADELPHIA.
87 BEEKMAN STREET, NEW YORK.
143 MILK STREET, BOSTON.
152 LAKE STREET, CHICAGO.

Rhode Island Perkins Horse Shoe Co., Manufacturers of
HORSE AND MULE SHOES OF THE PERKINS PATTERN

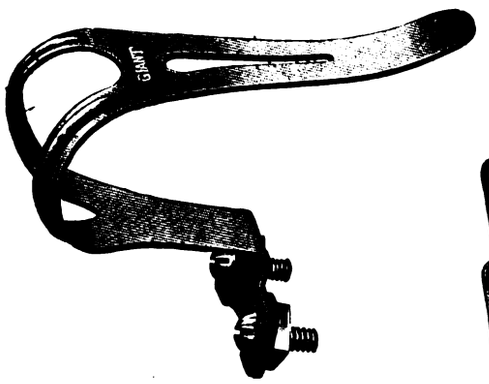
Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

Works, at Valley Falls, R. I. Office, 112 Industrial Trust Building, Providence, R. I.

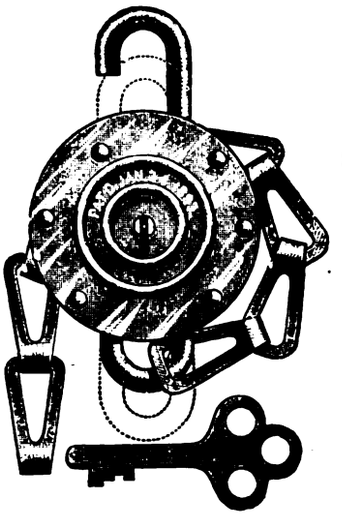
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DEALERS Have no trouble in selling this line of Sundries.



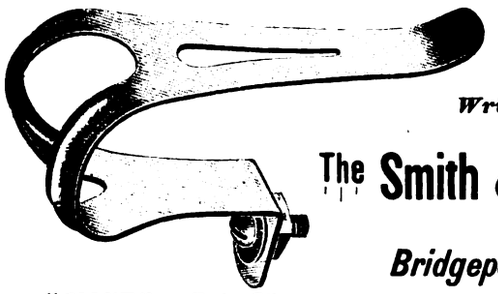
"GIANT" 2 Bolt Clip.



No. 12 Lock.



Sprocket Lock.

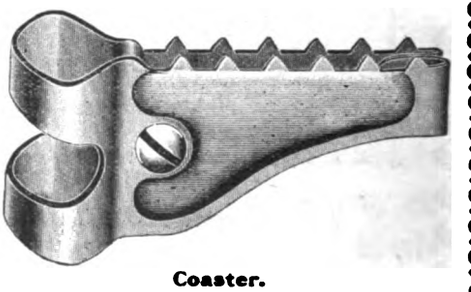


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ICE SHREDDERS

ALSO
OTHER ICE GOODS
—AND—
LEMON SQUEEZERS.

NOVEL IN DESIGN, GOOD QUALITY, THE BEST.

LOGAN & STROBRIDGE IRON CO., New Brighton, Pa.

GLASS CUTTER and COMBINATION TOOL.

Maker of  16 Styles.

. . . MANUFACTURED BY . . .

THOMAS J. ANDRESS, Box 612, Philadelphia, Pa.

FORD'S PATENT SELF-LUBRICATING BUSHED SHEAVES



For every kind and size of common bushed block. Great saving in rope and friction, and corresponding great increase of power. The bushing is the life of the block. Ford's Patent increases the life about three-fold, and increases the cost of the block only about ten per cent. Write for further information, also for free catalogue J. In ordering specify **STAR BRAND.** Refuse substitutes said to be "just as good."

Boston & Lockport Block Co., SUCCESSORS TO **Bagnall & Loud Block Co., Boston, Mass.**

J. R. DUFF'S HAND DRILLER,



With Screw Feed and Chain Attachment.

A GREAT LABOR SAVER

It has bearings of steel balls which reduce the friction to a minimum. Every thickness of steel, iron or metal of any kind can easily be drilled with any size drill up to and including one inch. Can be operated with any ordinary bit brace. It saves time and labor. Every mechanic should have one. All mail orders will receive prompt attention.

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1898.

HARDWARE

VOL. XV. APRIL 10, 1897. NO. 1.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade. Published the 10th and 25th of each month, by the HARDWARE PUBLISHING CO., No. 148 CHAMBERS ST., NEW YORK.

BRANCH OFFICES: CHICAGO, - - - - ASHLAND BLOCK. BOSTON, - - No. 33 EQUITABLE BUILDING. CINCINNATI, - - - No. 316 VINE STREET.

Subscription, $1.00 per year. Subscription, Foreign, $1.50 per year.

JAMES H. KENNEDY, - Editor and Manager.
HENRY HOPKINS, - - Associate Editor.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted to the Hardware Trade.

Editorial Trade Review.

The pleasant weather which has prevailed during the past two weeks has been provocative of an increased number of orders, which is acknowledged as the feature of the business this month; while the orders are of a more frequent character, they do not increase in bulk to any appreciable extent, the wholesalers preferring that the manufacturers under existing conditions should carry the stock, and thus make unnecessary any large compulsory additions to their own.

Prices on many goods, on account of tariff uncertainty, are still in an unsettled condition, especially on foreign pocket cutlery, where the increased schedule of rates put upon this class of goods, causes the market to be well "held up." Then again, the "retroactive" feature of the tariff—which is undoubtedly in the nature of a "big bluff," as it would be characterized in the vernacular—will still have its effect in checking the usual rush orders so zealously cabled over by those desiring to take advantage of such radical changes. There is a very good stock of these cheaper goods now in the market, and transactions if of any size, will partake of a character more or less speculative in their importance. The demand for anything but the staples of the business has compelled a few factories running specialties only, to again shorten the hours they have been running, or "close for repairs" for a week or two; but the signs of slow business which these little points give evidence of, do not at all compare with the condition of affairs previous to election; they simply show by a waiting market, the timidity previously felt by our merchants for so long a time is difficult to overcome. Hopes are entertained that a few weeks more at farthest, will show a more encouraging prospect.

The bicycle business has so far been of a more conventional character than is desired, the demand for the higher priced wheels being extremely limited, and the sales that amount to anything cover low-priced goods that have been on the market long enough to establish a reputation for quality.

The surplus stocks which loaded the 1896 market are gradually being disposed of in some shape or another, and the output of 1897 wheels is watched closely, so there will be no repetition of last year's experience. The hope of leading makers seems to be that by the close of this year the spasmodic desire of a good many people with a mechanical turn of mind will be drawn away from cycle manufacturing, either in a manner indicating unprofitable conditions, or from inability to realize on capital already invested.

Wire and cut nails are still maintaining advancing prices, and with wire nails particularly a difficulty exists in obtaining prompt shipments.

Builders' Hardware, while the sales are notably on the gain, owing to conditions favorable to building projects, still show no phenomenal improvement. New quotations on screws indicate by a reduction in prices the condition of trade, with accumulating stocks at factory.

An Economic Outlook.

The apparently apathetic conditions in the home markets still continuing, more than one of our own manufacturers are casting their eyes about them, to see if, in other countries where some headway has already been obtained at considerable expense, they cannot find that intelligent outlet for an increasing production that is already too large for home consumption only.

Competing as we do with England in so many of her provinces where her manufactured goods naturally have a steady sale, we possess the advantages of an economy in production seemingly impossible to equal. It is part of the American system to so regulate and improve our industrial possibilities by the use of labor-economizing tools, that the ease with which even unskilled workmen can manipulate automatic machinery proves to be greatly to the advantage of the producer. These aids to production have enabled us not only to supply her provinces with our shapely productions, but to "beard the old lion in his den" by invading her unprotected home markets. It is no novelty at present to be compelled to listen to a merited laudation of our unrivalled wares by the formerly bigoted Britisher, who has been taught to regard British trade supremacy as impregnable as the rock of Gibraltar.

No time was ever more favorable for us to press forward and occupy the vantage ground now offered to us by our old competitor. The strikes and trades union disputes will in England keep her following for some time the slow methods of production which seem incapable of change. The stubborn opposition to the use of automatic machinery, through the fear of a displacement of workmen who have no other department of labor in which they can be absorbed, coupled with the blind belief of the century-old factories of England, that "everything goes" if it is only British, affects the manufacturing lines so long established.

They cannot be made to understand the lessons our own success should have taught them, that the high wages of the American artisan have so stimulated the inventive genius of the country in the evolution of

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labor-saving appliances, that if any difference exists between British and American wages, our largely increasing and more economical output results from an intelligent use of improved tools, the superiority of which in every field of competitive labor is gradually becoming recognized, even as our perfect productions find a permanent foothold in all the countries open to conviction.

Judging from recent dispatches, our proposed tariff is exciting unfavorable criticism abroad, especially in Germany and Italy. A discussion of this kind would prove one of the principal elements of disturbance, conspiring to upset our calculations, springing as it would from a retaliatory spirit manifested by foreign governments, whose markets would be affected by our too hasty legislation. It is to be hoped that the reciprocal advantages we have recently enjoyed will not meet an untimely end, by a summary cessation being given to our commercial efforts in countries we have made tributary to our mechanical skill.

The Bankruptcy Bill.

The following from the *American Stationer* touches on a great need, and why Congress won't agree on a measure which is so much needed by the business interests of the country is something that the average business man cannot understand:

An effort will probably be made very shortly to have the Senate pass the Torrey bankruptcy bill, and it is believed that the effort will be successful. The Senate has plenty of time on its hands, and it would seem as though it might devote some attention to reaching a conclusion as to this measure, which meets the wishes of the business community very thoroughly. It is not denied by anyone that a national bankruptcy bill is sadly needed, and it is rather difficult to understand why this particular bill, which is indorsed by nearly all of the prominent organizations of the country, should have so much difficulty in reaching enactment. It is to be hoped that this latest effort will have satisfactory results.

While some members of Congress may prefer a bill which only embodies purely voluntary features, the great majority realize that any fair bill must have both voluntary and involuntary features, and in point of fact such a bill is more in the interest of the debtor class than a bill which provides only voluntary features. For the debtor not only wants to get discharged from his debts, but he wants to have conditions for starting again so that he can get credit and do business. A purely voluntary bill would destroy confidence and shrink credit, without which there can be no permanent prosperity.

The Torrey bill is the best considered and fairest measure of any that have been proposed and ought to speedily become a law.

The John C. Jewett Mfg. Co., Buffalo, N. Y., manufacturers of refrigerators, water coolers, etc., have opened an office in the store of Neal & Brinker, No 168 Church Street, New York, which is in charge of their representative, H. E. Sturtevant. Samples can be seen by the trade at any time.

From April 1, 1897, Neal & Brinker, No. 168 Church Street, New York, have been appointed the salaried agents for the Hartz & Eddy's Patent Steel Tackle Blocks, and have a complete stock of same and can quote factory prices.

Why Merchants Fail; Why Merchants Succeed.

"Six-tenths of the failures in business result from inexperience, extravagance and neglect; two-tenths from natural dishonesty; one-tenth from speculation, and one-tenth from misfortune."

If a merchant has an automatic and perfect check on all the transactions between his clerks and his customers; if he has time to watch the other details of his business; if he systematizes his business and stops all the little leaks, and if he knows what is going wrong, and is consequently able to stop it, he should not fail from any af these causes.

The National Cash Register Co., Dayton, Ohio, have devised systems for all kinds of retail stores, and are designed to give the retail merchant such a check on his business. A description of these systems may be had upon application.

If you will send your name, address, business, number of clerks employed, percentage of business done on credit, and stating whether or not you employ a cashier, to Department "H," The National Cash Register Co., they will send you in return a handsomely printed description of a system used in stores like yours.

Japanese Business Depressed.

G. H. Schuler, of Cleveland, Ohio, was among the passengers who arrived recently from Japan. He is manager of the Consolidated Steel & Wire Co., one of the largest nail manufacturers in the world, and naturally took special interest in that subject. Mr. Schuler says that the Japanese either make nails by hand or import them, but that they contemplate the establishment of nail works at Osaka, with forty machines, capable of producing 800 kegs of nails every twenty-four hours. They also intend to increase the duty on foreign nails from 5 to 20 per cent. It is stated by Mr. Schuler that business in Japan is in a very depressed condition. Under the idea that the Chinese indemnity was inexhaustible, they contracted for more foreign goods than they were able to pay for, and the consequence is that there is merchandise of this nature to the value of 50,000,000 sens lying in the import warehouses, as no money can be obtained from the banks, and foreigners have learned to place no confidence in Japanese promises to pay, as they cannot be enforced under the laws of the country.

Bissell's New Display Easel.

The Bissell Carpet Sweeper Co., in order to fill a want expressed by some of the larger trade who desire to make elaborate display of Bissell sweepers, have just produced a double easel that is very handsome in design and rich in finish. It is made of solid and quarter sawed oak, nicely finished in antique, tastily carved and ornamented. It is seventy-six inches high and thirty-four inches wide, and will display ten carpet sweepers at one time, and is so constructed that it can be used either on the open floor or against the wall, both equally well. When requested, with their first order for two dozen or more "Cyco" bearing sweepers to be shipped at the same time, the Bissell Carpet Sweeper Co. will include this excellent easel gratis.

The monthly meeting of the New England Hardware Dealers' Association will be held at the United States Hotel, Boston, on Wednesday, April 14th, at 5 P. M. The Association will take some action on a resolution as offered to the legislature by the Massachusetts State Board on docks and terminal facilities. The principal guest of the evening will be Col. Albert A. Pope, president of the Pope Mfg. Co., who will deliver an address relative to the growth and development of the bicycle and the bicycle industry.

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The Death of Charles Morrill.

Charles Morrill, the well-known manufacturer of Hardware specialties, at No. 35 Warren Street, New York, died on April 5th, at his residence, No. 24 West Eighty-third Street, from a complication of diseases from which he had been a sufferer for a long time. A widow and four children, two sons and two daughters, survive him; the eldest son being 19 years old, and now at college. Mr. Morrill was born in 1828, at Hanover, N. H., his father being Jonathan Morrill.

In the earlier part of his busy and useful life, Mr. Morrill was engaged in the building trade, and as he was a clever architect, his houses were built from his own designs and specifications; among a number of public buildings in various parts of the country, he erected the Academy of Music on East Fourteenth Street, and Dime Savings Bank building at Broadway and Thirty-third Street, New York, also the Continental School at Trenton, N. J. He had already filled the position of special agent of the Treasury Department previous to embarking in any commercial transactions.

In 1877 he commenced the manufacture of a number of specialties of his own invention, with the sale of which his name has been honorably identified ever since; consisting of saw sets, bench stops, cutting pliers and seal presses, many of which are well known to the Hardware stocks both here and abroad, and for twenty years he has been a leading maker of such goods. He was a member of the Hardware Club of this city.

Mr. Morrill in his family relations was of an extremely domestic temperament, of generous impulses and open hearted to a fault; fond of his family and his congenial surroundings, which were always of a social and harmonious character. He had an exceedingly intelligent appreciation of everything artistic in its nature, enjoying the finest of modern decorations with which his residence is filled. He was a great lover of the fine arts, many very valuable paintings not alone covering the walls of his home, but also those of his business office. He was an ardent admirer of the horse, being the owner of no less than eleven thoroughbreds on the day of his death. He was also noted as being a *raconteur* of the most enjoyable kind, having a fund of good stories, which enlivened the social intercourse with his friends, and from which he drew many a quaint recital.

It is gratifying to know the business so long conducted by him will still be continued without material change.

"Heinisch's" English Reputation.

The following article, in regard to America's superior reputation in the line of shears, is taken from the *London Tailor*, of London, England, edited by T. H. Holding, an authority in his line. It appeared as a leading editorial and was written entirely without the knowledge of the R. Heinisch's Sons Co., Newark, N. J., of whose goods it speaks in such high terms:

REGARDING SHEARS.

Shears are an important matter to tailors. Their prejudices, their likes and dislikes, whether they are real or not, are both manifest and deep rooted. We remember in the early days the hard, strong, ill-shaped handled shears —instruments of direst torture we used to call them—invented and made by someone in London. Then we remember various other English-made shears of very splendid quality, which were a tremendous improvement.

But latterly, bit by bit, Heinisch's American Shears have erased almost all makers from prominence, at least in England. The "Clauss" shears came to the front, and the "Perfection," for which Messrs. Harding & Messenger are the vendors, are a good English article. It seems, however, that the shear that meets with most approval—we suppose, because most comfortable—is the American model. We have tried and examined a great many, it is true, in thirty years ourselves, and are bound to confess that at present they are, without exception, at the top of the tree. At present we have no grounds for saying this, other than they are the actual shears we use.

Now for the main purpose we have in penning this article. We have been conferring with the English representative of Heinisch's firm. We first wrote to ask whether the shears were made in England or America. Being confirmed that they were manufactured in the latter country, we said: "Why cannot we apply his splendid patent and manufacture them here?" The answer was "Cannot do it." "But supposing the model is perfected and patented, and the patent could be used in England, could you not produce the same article?" "No; it is impossible. Many firms have spent hundreds and hundreds of pounds," he replied, "without result, and the consequence is that we have lost the business and are losing it." "Do you sell many Heinisch's shears?" "Often an order for £1000 by one post, and a £25 order is a constant occurrence."

Of course, we enquired if there was something special in the machinery or the men. The reply was that the Englishmen would not or could not make the Heinisch pattern of shears. It is important that we should have the very best and handiest and most effective implements that are wielded by so many thousands, daily and hourly. But there is another thing that concerns a far larger constituency, and that is the English cutlers. Why should they not be able to produce the same beautiful article, with the same excellence of its best points? We can only close by leaving it an open question and asking the Sheffielders again, "Why?"

Sickels, Preston & Nutting Co.'s New Catalogue.

Sickels, Preston & Nutting Co., Davenport, Iowa, are distributing to their customers a very complete and handsomely illustrated catalogue of the various lines of goods handled by them. The volume is a credit to their progressive enterprise, and reflects to an appreciable extent the ability of the compiler. It is cloth bound, with good stiff covers, and composed of 496 pages, the catalogue being 9x12 inches in size. Builders' Hardware, mechanics' tools, farm implements, housefurnishing goods, cutlery, woodenware and metals, combined with a very large line of general Hardware, are embraced in its contents, which comprise the productions of many leading and prominent manufacturers, among which we notice Henry Disston & Sons, Nicholson File Co., Stanley Works, E. C. Stearns & Co., Stanley Rule & Level Co. and Yale & Towne Mfg. Co. It is a well made book, one calculated to do good service, and should be found very convenient by the customers of this enterprising company.

The Hardware Buyers' Association whose rooms were formerly located at No. 107 Chambers St., N.Y., have recently moved into more commodious quarters in the new Graham Building, No. 127 Duane Street, corner of Church. They are very pleasantly located on the eighth floor of this handsome building, with modern elevator service and all necessary facilities for conducting business. The Association is under the management of C. W. Gause, formerly with the Simmons Hardware Co.

The annual meeting of the Texas Hardware Jobbers' Association is announced for April 21st at Houston. We are advised that the gathering promises to be a well attended and interesting one.

About $200,000,000 is the estimate by careful authorities of the world's production of gold during the year 1895. In three years the world's stock of gold has been increased by $537,000,000.

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Picked Up "On the Road."

HOTEL RULES FOR TRAVELING MEN.

A friend, who evidently has the interest of the traveling men at heart, sends the following list of hotel rules, which he recommends to the careful attention of hotel landlords:

Guests are requested not to speak to the dumb waiter.

Guests wishing to get up without being called can have self-rising flour for supper.

The hotel is surrounded by a beutiful cemetary. Hearses to hire, 25 cents a day.

Guests wishing to do a little driving will find a hammer and nails in the closet.

If your room gets too warm open the window and see the fire escape.

If you're fond of athletics and like good jumping lift the mattress and see the bed spring.

If your lamp goes out take a feather out of the pillow; that's light enough for any room.

Anyone troubled with nightmare will find a halter on the bedpost.

Don't worry about paying your bill; the house is supported by the foundation.

All politicians invited to drink nothing cheaper than 25-cent whiskey, and a suction connection in every room.—*Boot & Shoe Recorder.*

TOLD BY TRAVELERS.

"Come in tomorrow."

"All right."

Then the man of samples picked up his grips and headed for the next customer.

Then the storekeeper turned to me, and remarked: "I've been waiting nine years to get even with that duck, and the time is at hand now."

"What do you mean?"

"Nine years ago that man was a buyer and I was hustling on the road. He kept me dancing attendance at his place of business until my patience was exhausted. Then he cooly informed me he never intended to buy my goods. The whirligig of time has wheeled around enough to make me a fairly successful merchant and he is knocking about with a new line of goods. Now he comes in and wants me to buy. If I don't make him tired before I get through, then put me down as soft-hearted. When he tumbles to the game I'm playing on him I'll remind him of the way he treated me nine years ago and let him know that my memory is better than my forgettory."

"That's a lesson for overbearing buyers."—*Exchange.*

ONTO HIS JOB.

"Tickets, please, gentlemen," said the conductor, and they were all produced, save that of a poor, feeble old gentleman, who searched all his pockets in vain for his, and the fellow passengers growled exceedingly.

"Train is waiting for you sir," went on the conductor. "Why, there it is in your mouth, sir, all the time."

And the train moved on.

"Do you suffer much from absence of mind?" asked one of "the boys."

"Absence of mind be hanged," returned the poor, feeble old gentleman. "I was sucking the date off a last week's ticket."—*Sample Case.*

SAM JONES ON DRUMMERS.

This article I propose to devote to the drummer. There is no more characteristic character in history, or science, or art than the drummer. He is multidudinous, many sided and ubiquitous. Wherever commerce is known and traffic is carried on, the drummer goes.

Having been on the road almost constantly for fifteen years, my contact with this class of men has been frequent; and, to be candid, the more I have seen of the drummer the more I can see that he has a big heart and an intelligent head.

The drummer of to-day compared with the drummer of fifteen or twenty years ago makes one think favorably of the doctrine of evolution, at least in some of its phases. There is an immense difference, morally, at least, between the drummer of to-day and the drummer of twenty years ago. The profane, whiskey-drinking, beer-soaking gambling drummer is an exception. The rule is that the drummer is a bright, upright, intelligent, moral man. Some of the best men I know in America belong to the Travelers' Protective Association.

The characteristic drummer, with his fund of jokes, with his good humor, with his tact and talent, is a very interesting man. Take him at the hotels, on the railroad trains, on the streets and even when he is pushing his traffic, everywhere you find illustrations of pluck and vim and enterprise and get-up-and-get.—*Exchange.*

Stitched Cotton Belting.

The Rossendale-Reddaway Belting & Hose Co., Newark, N. J., are manufacturers of a superior article of stitched cotton belting, which has for a long time possessed the confidence of those handling and using machinists' supplies. Cases are cited by the manufacturers where, after



an outside exposure of seven years, the same belt is still doing good service and showing no serious deterioration as to running quality. They are also large manufacturers of linen fire hose, of a quality that is held high in the esteem of the companies who have adopted their goods. Their advertisement will be found on page 4.

Electricity in Belts.

Some time since an engineer in a large factory called the attention of a visiting expert electrician to the electricity in a big driving belt, and was quite surprised when the expert informed him that the electricity was caused by the belt slipping. The expert added that it was simply a wasting of power and could be prevented by applying Dixon's Traction Belt Dressing, made by the Joseph Dixon Crucible Co., Jersey City, N. J. This dressing was applied and the electricity disappeared at once. Electricity in belts is not only a waste of power, but is also an element of danger by fire.

Superintendent Wanted.

Simply for the purpose of assisting some first-class man to a first-class position, and on our own responsibility, we call attention to an advertisement on page 58 of this issue, where the Hitchcock Lamp Co., of Watertown, N. Y., state that they wish to engage a factory superintendent. All applicants should address them as above stated.

HARDWARE's "Prices Current" are reliable.

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Commercial Value of Politeness.*

BY NATH'L C. FOWLER, JR., DOCTOR OF PUBLICITY.

The cultivation of courtesy is the most profitable harvest in the field of business.

Politeness costs the least, and pays the best.

A kind word often clinches the trade, and clean-cut politeness frequently builds business.

It is obvious that the customer is unreasonable, and that the practice of courtesy on the part of the customer is as commendable as on the part of the clerk, or employee, but so long as the seller desires to sell more than the buyer desires to buy, just so long is it necessary for the seller to use the commodity of courtesy as legitimate bait for the drawing of trade.

Over-politeness is better than gruffness.

There are two lines of railroad running from New York to Philadelphia, and one road is worth five times as much as the other; the accommodations are nearly identical, the running time is about the same, and the question of safety is perhaps in favor of the larger road; but hundreds, and thousands, of people, including the writer, travel between these two cities upon the cars of the smaller road on account of the gentlemanly politeness and courtesy invariably shown the passenger by every employee, from the ticket agent to the brakeman.

It is a delight to travel amid the surroundings of courtesy, and to feel that you can ask a question and receive an intelligent and cordial answer.

The larger road cannot be called a discourteous corporation, for it treats its passengers as well as the majority of roads do, but the smaller road has a set of employees, from the highest to the lowest, every one a gentleman, and every one seeming to take a personal interest in the comfort of the passenger.

This smaller road is rapidly building up its business, and every through passenger it carries may be considered as one from the larger road. It has won this business almost entirely by act of courtesy, because it has not any better facilities to commend itself to public favor.

In a city I know there are two theatres, one managed by a gentleman and the other by a human hog. It has been said that the applicant for passes would rather be refused by the gentleman than favored by the hog.

In the heart of Philadelphia is a great department store. Perhaps this house sells no better goods, and maybe it does not charge the lowest prices, but it is crowded from cellar to garret, because every clerk there is either a gentleman or a lady, and the customer is treated with courtesy, and with politeness, whether he buys or does not buy.

Courtesy is a commodity, and there can be no better trade mark for the building and holding of trade than universal politeness to everybody, and a manifest interest in the welfare of the customer.

Bicycle Board of Trade.

A two days' meeting of the board of directors of the National Cycle Board of Trade was held at the offices of the corporation, No. 271 Broadway, New York. The business transacted was principally of a routine character, looking to the conduct of the affairs of the board during the ensuing year, this being in reality the first meeting of the new board of directors since the annual meeting.

The treasurer submitted his report, showing the finances of the board to be in a thoroughly sound and satisfactory condition. A great part of the first day's meeting was taken up in adjusting matters connected with the Eastern and Western Cycle exhibitions, none of which was of any very great importance.

The fact that the board has secured larger and more ample accommodations in the Central Bank Building was a cause for general satisfaction among the directors, and it is expected that the board will move to its new offices in the course of the next two weeks. Applications were received for sanction for the exhibition of bicycles on two trains, called respectively, the White Special and the U. S. Trade Exposition Train. These trains will tour the country on a six months' schedule, but the applications for sanction for the exhibition of bicycles were refused.

The directors of the Tennessee Centennial and International Exposition, to be held at Nashville, Tenn., May to November, 1897, applied to the board of directors for sanction to enable the members of the board to exhibit bicycles at this Show, and have expressed a willingness to set aside an exclusive building for the exhibition of bicycles. The sanction asked for was unanimously granted, as was also a like application from the Trans-Mississippi and International Exposition, to be held at Omaha, Neb., June to November, 1898.

The second day's session was mainly devoted to the consideration of the desirability of holding National Cycle exhibitions. President Garford invited every member present to express himself very fully on the subject, and after a very lengthy discussion, it was unanimously

Resolved, That, inasmuch as the board of directors are but a small number of those interested in the bicycle industry, and feeling that the board should have an expression from the stockholders as to their views, it was

Resolved, That the Executive Committee formulate certain questions on that line and request an immediate response by return mail; these to be considered at another meeting of the board of directors to be called by the president as soon as the answers were received, when it is expected that the question will be decided for good and all.

The secretary was instructed to place himself in communication with the proper parties to investigate the status of the bicycle business in foreign countries, and to lay any information so received before the members of the board.

Senator Guy's bill to prevent fraudulent statements in advertising was submitted to the board, and they unanimously passed a resolution that the following telegram should be sent to the Hon. Chairman, Judiciary Committee of the Senate, as follows:

Hon. Chairman, Senate Judiciary Committee,
Capitol, Albany, N. Y.

At a meeting of National Board of Trade of Cycle Manufacturers to-day, the following resolution was unanimously adopted: *Resolved*, That National Board of Trade of Cycle Manufacturers representing the bicycle industry of America, respectfully urges the passage of Senator Guy's bill as to advertising misrepresentations.

ERNEST R. FRANKS, Secretary.

Hardware Club Election.

A meeting of the Board of Governors of the Hardware Club of New York was held on March 25th, at which the election of officers for the ensuing year was taken up. The following officers, who have given most excellent service in the past, were unanimously chosen as their own successors:

President, Peter McCartèe.
Vice-President, R. H. Swayze.
Treasurer, Thomas F. Keating.
Secretary, J. Leonard Varick.

The Cleveland Target Co., Cleveland, Ohio, inform a *Hardware* representative that the target business is opening up very nicely for this year, and that their trade is fully up to last year's business. They are putting out a great many of their Magautraps, and are meeting with most excellent success wherever these articles are being used. They anticipate an increased sale of these traps, as they are something entirely new, and far superior to their old style traps.

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RECENT TRADE PUBLICATIONS.

Tower & Lyon, Nos. 95 Chambers and 77 Reade Streets, New York, have just issued their 1897 catalogue which is their "No. 10." This catalogue is in a compact form and size, greatly at variance with any of their previous trade publications, but which they believe will be found more convenient for handling or for a ready reference. It is certainly in a line with catalogue reform, and a great improvement over the usual pamphlet catalogue, and is composed of 120 pages, 8½ by 4¼ inches in size. In this concise and compact form the catalogue covers the entire line of tools and specialties handled by this old and reliable firm, including Chaplin's planes, Champion screwdrivers, expansive bits, nail pullers, extension sight levels, engineers' wrenches, pipe wrenches, Stephens' vises, malleable oilers, etc. The characteristics of the Chaplin planes are almost too well known to bear repetiti n, consisting of both smooth and corrugated faces, with wood or checkered rubber handles. The "Champion" and machinists' screwdrivers are specialties that have long been features in every first class stock of tools. Clark's expansive bits are shown with graduated shank, which makes a very desirable depth gauge in use. The line of tools catalogued is of an exhaustive variety, including with many others of latest design and utility, the entire line of "Krauter's" tools, so well and favorably known to the trade as "Newark" goods. The large line of police equipments shown in this catalogue is of an unique character, comprising in its completeness handcuffs and leg irons, balls and chains, police nippers, clubs and belts, wreaths, numbers, shields, badges, pistol pockets, prison pails, calls and whistles, etc., and including even the "humane forms of restraint, implements designed for the security of the insane, with the least possible discomfort and injury to the patient or prisoner." Dog collars and bicycle padlocks, Brown's brass spring padlocks, McWilliam's superior extra heavy Scandinavian padlocks, are shown up to a size large enough for warehouses, jails, etc., and of a quality that cannot be forced or broken. A large assortment of carriage or dash lamps is catalogued and fully illustrated, a feature of importance which applies to all the various lines of goods. The cuts illustrating the same can always be obtained by any local dealers desiring to make their catalogues or advertising more than usually graphic or descriptive. The catalogue concludes with the extensive variety of Martin's prepared fish glue, put up in great variety and in all manner of forms, from display boxes holding one dozen small bottles, to barrels holding 45 gallons. This line includes shoe glue, paper glue, belting cement, "Mystic" cement for glassware, etc., and "Mystic" mucilage and glue for office and other purposes. Tower & Lyon are well known as the agents for the Union Hardware Co., Torrington, Conn., a separate catalogue being issued for their extensive productions.

The Enterprise Mfg. Co. of Pa. have ready for the Hardware and housefurnishing trade their new and very complete catalogue for the business of 1897, which makes an attractive pamphlet of 84 pages. Manufacturers as they have been for so many years of a large line of meritorious goods in the trades above referred to, every page in the catalogue will prove of great interest to the up-to-date Hardwareman. Cold-heating sad irons—which from the earliest years of the company have been among their most notable productions—are illustrated in all their many varieties, to which is added the gas burning sad iron heater, which so greatly lessens the burdens of the appreciative housewife that "ironing day" ceases to be the dread it was formerly. The meat choppers, which have achieved a prominence in that especial department that makes their excellence known universally, are shown in a very extended line from the small hand chopper to the butchers' and geared power sizes, the latter capable of chopping 1500 pounds of beef an hour, and weighing 737 pounds each. These power choppers have been vastly improved during the past few years, dispensing with a number of wearing parts, and doing away entirely with the tail screw. In consequence of these and other changes, the knife and plate last twice as long without the need of sharpening. The Enterprise lines of coffee, spice and drug mills, which have long held a high place among their specialties, cover a number of pages, and are shown from the small size, weighing only six pounds, to the coffee mill towering nearly six feet high and weighing over 300 pounds. Many other noted specialties follow, upon which the name "Enterprise" has conferred a patent of salability, among which may be noted: Sausage stuffer and lard presses, bone, shell and corn mills, self-gauging cheese knives, self-measuring faucets, for molasses, thick oils, varnish, tar, etc.; self-measuring pumps, smoked beef shavers, bung hole borers, barrel jack, truck and stands; lawn mowers and sprinklers, fruit, wine and jelly presses; raisin and grape seeders, slaw cutters, kraut cutters, ice shredders, mole traps, cork pressers and pullers, cherry stoners, fruit augers, tobacco and root cutters, tincture presses, etc. Certainly an unparalleled line of useful inventions and mechanical devices, that necessarily form a part of every Hardware stock throughout the United States.

We are in receipt of the catalogue for 1897 issued by the Steward & Romaine Mfg. Co., Ltd., Philadelphia, illustrating and describing the single and double patent parallel expansion bolts which have for eleven years been manufactured by this company. These very useful appliances have been well appreciated in their many applications to such work of constructive excellence as is found among masons, machinists, plumbers, steam heating companies, electric companies, electric street railways, etc. The greatest use for these expansion bolts would seem to be in places where it is not desirable to drill through the material to which the fastenings are to be made, for in such cases there is no better method of obtaining the best results, superseding entirely the old fastenings, usually imperfect in their application, and the facility with which these bolts can be adjusted must result in a great economy of cost in the completed work. Among the advantages of this bolt referred to by the manufacturers in this catalogue, they state that "for fastening materials of all kinds to stone or brick work, screw eyes for trolley wire support for electric street railroads, guys for smoke stacks, fire escapes, vault lights, brackets for steam heating purposes, engine beds to masonry or solid rock, bridge work, window and door frames, cornices, elevator tracks in buildings, railings, signs of all kinds to stone fronts, etc., nothing can be found to equal it."

E. T. Barnum, Detroit, Mich., the well-known manufacturer of wire, brass and iron work, is at present busily engaged in getting out his annual spring catalogues, and they are now in the hands of the press. Through the large increase in this firm's business, and the many lines they manufacture, they are obliged to issue various catalogues

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to cover their field properly. For instance, they issue a special catalogue of bank and office railings, partitions, fixtures, etc., and showing many of the latest improvements in this style of work. Another is a special catalogue for the Hardware trade, one especially for builders and contractors, and one devoted entirely to jail cells and fixtures, of which this firm make a specialty. Besides these, to keep pace with the new designs and improvements, this enterprising firm issue a special fall supplement to their regular spring catalogues. Anyone interested will do well to write for catalogues, which will be mailed promptly.

Wm. T. Wood & Co., Arlington, Mass., the Sickels & Nutting Co., No. 35 Barclay Street, New York, agents, manufacturers of high grade ice tools, have recently distributed to the Hardware trade one of the most complete circular price lists, covering the line of ice tools suitable for a summer trade that has ever come to our notice. On four pages, with all necessary description, between thirty and forty tools are illustrated in an intelligent manner, and by the aid of a telegraphic code covering the final page, a large order could be forwarded by wire, delivery of which could promptly be made. With an experience of 60 years in the business it may safely be stated this circular price list is one that all dealers in these goods should be in possession of.

L. D. Berger, No. 59 North Second Street, Philadelphia, dealer in tinners' and roofers' supplies, are mailing to the trade a number of circulars showing the large lines of important specialties, of which they are wholesale distributers, covering, among other items: Railroad milk cans, either in the stock only, or in cans made up; bright and terne plates, in boxes or rolls; plastering wire and sheet zinc, in all widths; guarantee roofing paint, with a covering capacity of 400 feet to the gallon; plain and corrugated galvanized pipe, IX hot air pipe, round and square, and all the usual and customary tinners' supplies from soldering pots to roofing nails. They are headquarters on registers, and state they are prepared to do the largest register business in Philadelphia, and can include in the output heater pipe and foot boxes.

Thiem & Co., St. Paul, Minn., manufacturers of cycle specialties, have ready for the Hardware trade and dealers in bicycle sundries, their new catalogue for 1897, showing their various well-known bicycle specialties, among which may be mentioned: Thiem's adjustable toe clip, Weber's New Departure luggage carrier, North Star toe clip, with and without adjustable side guard; Weber's lamp bracket, Weber's cycle rack. These goods have been made by them for several years and have established a reputation for being salable and up-to-date sundries. The manufacturers express a desire to furnish any electrotypes needed by their patrons.

The Findlay Axe & Tool Co., Findlay, Ohio, Allerton, Clarke Co., Nos. 97 Chambers and 79 Reade Streets, New York, agents, have just published their 1897 catalogue of axes and edge tools, which also includes mining and railroad picks, mattocks and grub hoes. The pamphlet is an attractive one of sixty pages, having a neat and pretty cover with embossed gilt letters. The frontispiece is a view of their extensive works. Their product is handsomely illustrated by good wood cuts, and an excellent telegraphic code forms a part of the contents.

The Central Oil & Gas Stove Co., Gardner, Mass., have issued a complete catalogue of oil and gas stoves suitable for the business of 1897. The catalogue is a pamphlet of fifty-four pages, in which will be found fully illustrated an extensive line of oil stoves from the lamp stove with a list price of seventy-five cents, to a "parlor grand" listing at $12. Of gas stoves and appliances the assortment is even more remarkable, covering every possible demand for such goods. The catalogue will be forwarded upon request.

The Wright Shovel Co., Anderson, Ind., Arthur G. Sherman, No. 14 Warren Street, New York, sole export agent, have just issued a very neat little catalogue of their goods for export trade only, with illustrations showing their line, the list prices on which are left blank, the catalogue being intended to fit a commercial size envelope. Their product is made up under various brands or grades, but all the kinds are made from crucible or cast steel.

The Baldwin Brass Works, Nos. 211 and 213 East Randolph Street, Chicago, Ill. Catalogue of architectural brass and bronze goods, for stores, hotels, churches, theaters, cafes and restaurants, consisting of bank and office railings, grilles, wickets, elevator guards, mesh work, church chandeliers, etc. Many of these goods are shown in catalogue by appropriate illustrations.

The Simmons Hardware Co., St. Louis, Mo., have recently issued their "Circular No. 261," which is a paper-covered appendix to their large catalogue—and of same size—covering nearly 200 pages with an extensive variety of goods, most of which are suitable for their spring trade. It will be found a great convenience to their patrons.

The Hayden & Derby Mfg. Co., No. 111 Liberty Street, New York. Catalogue of Metropolitan automatic double tube and H. D. ejectors used by ship builders, boiler makers, engine builders and railroads. A variety of these goods are shown, accompanied by the customary tables estimating the capacity needed for a proper application.

W. W. Pryor Hardware Mfg. Co., Newark, N. J., W. W. Pryor & Co., No. 81 Chambers Street, New York, sole agents. Catalogue of mechanics' tools in large variety. Foster's door springs and other Hardware specialties, including revolving and conductors' punches, gas pliers, screw drivers, etc.

M. D. Halpin, No. 62 Reade Street, New York. Circular of Crichton's burglar proof sash locks. This sash fastener is designed to be used for purposes of ventilation as well as security, having a ratchet bar for use in the sash, which enables it to be locked at any point and released by simply pressing a button.

C. R. Meres Heater Mfg. Co., Norwalk, Ohio. Booklet having reference to their system of hot water heating and methods that have achieved successful results. Many testimonials attesting the superior economy and gratifying advantages of their system form a part of this pamphlet.

Fenton Metallic Mfg. Co., Jamestown, N. Y. Catalogue of the Fenton bicycle; a handsomely printed and well illustrated pamphlet of 24 pages, fully describing all the parts which in their completeness form the Fenton bicycle. The information is conveyed in a very artistic manner.

John P. Lovell Arms Co., Boston, Mass. Catalogue for 1897 of Lovell's "Diamond" cycles; a very attractive pamphlet of 40 pages, illustrating in a graphic manner the various models of "Diamond" cycles, manufactured by this company at South Portland, Me.

Iwan Bros., Streator, Ill. Catalogue and price list of drain tools, post hole augers and diggers, chimney cowls, conductor pipe hangers and mining tools, which have been among the products of this firm for many years.

Union Mfg. Co., No. 118 Lake Street, Chicago, Ill. Catalogue of Hardware specialties; many of them in the line of housefurnishing Hardware, and all of them fully illustrated.

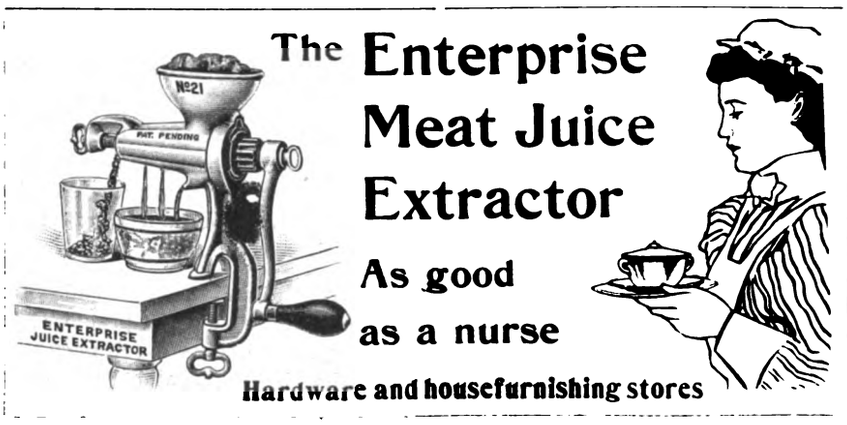
One good road begets another, and so on and on clear into the adjoining county.—*L. A. W. Bulletin.*

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Enterprise Meat Juice Extractor.

The Enterprise Mfg. Co. of Pa., Third and Dauphin Streets, Philadelphia, are placing upon the market the Enterprise Meat Juice Extractor, which is comparatively new to the trade throughout the country. In this connection we are permitted to reproduce a car sign describing and showing this useful article, which the Enterprise Co. are using for car advertising in the following cities: Syracuse, N. Y.; St. Paul, Minn.; Chicago, Ill.; Davenport, Iowa; Memphis, Tenn.; Des Moines, Iowa; Pittsburg, Pa.; Milwaukee, Wis.; Boston, Mass.; Rock Island, Ill.; Springfield, Mo.; Dubuque, Iowa; Omaha, Neb.; Buffalo, N. Y.; Denver, Colo.; Salem, Mass.; Peoria, Ill.; St. Joseph, Mo.; Little Rock, Ark.

If all these signs are as attractive as the one which the writer has noticed in the elevated trains of New York city, they certainly will attract a great deal of attention everywhere. In description of this article, the manufacturers say: "Its construction and design are mainly the same as our regular Combination Press, with the addition of such mechanical devices as to adapt it for the extraction of juice from meat (for which purpose it was more especially designed), also answering for extracting seeds and juice from fruits. The use of meat juice for medicinal purposes is a growing one, and is recommended for the aged, delicate infants and invalids, in all cases where complete nourishment is required in a concentrated form. The meat to be operated upon should be thoroughly warmed by being quickly broiled over a hot fire, but not more than to simply scorch the outside and then cut in strips. The yield should be about six ounces from one pound of round steak. Only tepid water may be added, as hot water will coagulate the meat juice. Season to taste. The machine being tinned, no metallic or inky flavor will be imparted to the material used. The dryness of pulp or refuse can be regulated by the thumb-screw at the outlet."



A Special Offer.

The Bissell Carpet Sweeper Co. have issued to their customers a circular letter calling the dealer's attention to the special spring offer they have to make, the main features of which are as follows:

First: All "Cyco" bearing sweepers are made in solid mahogany quartered sycamore, black walnut, quartered sawed oak in antique, natural and old English. These sweepers, with their superb finish, make an exceptionally rich assortment.

Second: With every first order for cyco bearing sweepers will be included gratis one window display shield, and at a special price of $2.25 each, will be included one Crystal carpet sweeper.

Third: With every shipment will be included an excellent assortment of advertising matter, including one large lithograph hanger; also several lithograph and embossed display cards nicely corded with silk.

Fourth: With an order for two dozen or more sweepers to be shipped at the same time will be included gratis, when requested, one of our handsome double easels.

Fifth: We offer the most complete line of toy sweepers ever put on the market.

These little sweepers have come to stay and no carpet sweeper stock is complete without at least a few of them.

Dealers should communicate with the Bissell Carpet Sweeper Co. concerning the features embodied in their circular letter, and obtain from them further details concerning many new features that they are bringing out this spring.

The Bissell Co.'s advertising department is rich with new literature, which is placed at the disposal of their customers in any quantity, free of charge.

"King" and "Queen" Bicycles.

The Union Bicycle Supply Co., No. 68 Murray Street, New York, have been appointed sole agents for the sale of "The Myers Safety Bicycle Stand and Home Trainer," to which we gave an extended notice in our recent issue of February 10th. In addition to the "King" and "Queen" bicycles for which they are sole agents, they carry a very large assortment of bicycle sundries of almost every description. They will mail upon application a poster hanging sheet, fully illustrating their varied stock and exceedingly useful for any Hardware or bicycle dealer, to assist in remembering articles which should form part of a complete stock in this important branch of their business.

The "King" bicycles above referred to are placed upon the market by the above company as being the lowest in price of any cycle sold under similar conditions, having all the latest 1897 improvements, the net prices on which are as follows: Single wheel, $27.50 each; 12 wheels, $25 each; 100 wheels and over, $22.50 each. The "Queen" bicycle, which is a ladies' wheel of substantially the same specifications, costs $1 additional to each of the above prices. They also carry a line of Juvenile wheels, the prices on which range from $16.50 to $22.50. Particulars regarding the above will be forwarded upon application.

The Clayton & Lambert Mfg. Co., Ypsilanti, Mich., report a steady growth of business extending back over the entire past depression, and feel certain of a larger summer's business than ever before. During the winter many automatic and time-saving machines have been added to their plant, and the increased volume of business has made the purchase of much larger power necessary. Their new line of round burner torches, designed especially for electricians, is meeting with great success, and they are destined to take place beside their big brother, the No. 1. They have in their building a modern and complete printing establishment, from which a handsome new catalogue has just been issued. All jobbers are supplied with descriptive circulars free, and they always consider it a favor to hear from the trade.

When a merchant knows his business it does not take the people long to know him.—*Hardware and Metal Reporter.*

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The "Primus."

The Primus Cooking & Heating Apparatus Co., No. 197 Fulton Street, New York, are engaged in placing before the American people an invention that has since 1893 been popular in Europe, and which seems destined to materially change old methods wherever this apparatus can be utilized.

The universal use of kerosene for heating and cooking purposes has greatly stimulated the inventive ability of the world during the past ten years; realizing that some mechanical appliances could be made whereby the ease and economy attending the use of this cheap fuel would be made fully apparent. In consequence of this, the want was developed of a safe apparatus for the purpose, and "The Primus" seems to have been the result by which a radical departure from former methods was rendered possible. It was considered essential that it should be made for general use without the necessity for using the customary wick, which, burning a yellow illuminating flame, and on account of its tendency to smoke was considered undesirable for heating, and anything but cleanly for culinary purposes. The problem of transforming kerosene oil into a gas, with a blue heat-producing flame, which, though created through metallic burners gave out no undesirable soot was made necessary. This was reserved for the inventors of the improved Primus apparatus, which has only recently been introduced into this country, although well known in Europe since 1893.

Fig. 1 shows this remarkable stove in its most popular style; this particular form being the most desirable for domestic or household purposes, seems to be equally as beneficial for use in laboratories and technical institutes, in factories or drug stores—in short any place where it is essential to have an extra strong, powerful heat for melting or heating purposes.

Fig. 2 illustrates the same stove in connection with the Primus extension top stand, which more fully exhibits the practical utility of the stove for cooking purposes; the stand permitting the use of three culinary utensils at the same time, without additional consumption of oil; in this way it is possible to accomplish as much work as a medium sized range.

Among other ways by which this powerful heater may be found useful we notice the Primus yachting stove, in which the heating apparatus hangs in a balancing frame that is thus not affected by the swaying motion of the vessel.

Soldering stoves and melting apparatus are constructed upon the same principles, and which seem to have many advantages over anything previously constructed for such



FIG. 1.

mechanical purposes; owing to its compact form it requires but very little space, and can readily be moved from one place to another, as it requires no connection with tubing or chimney.

The same principle has also been applied to the Primus torch or blow lamp, the flame of which can be regulated, and the torch used in any desired position. As the flame of the lamp can be developed to a temperature said to exceed 2000 degrees Fahrenheit, it is especially suited for work in the open air, as would readily seem that no wind, however strong, could extinguish the flame; there are many uses to which the Primus torch can be applied. It would seem to be invaluable to painters for removing old paint; to plumbers for soldering purposes, or the thawing out of frozen pipes; or by gas fitters, tinsmiths, coppersmiths and electricians for many such uses as are inseparable from their vocations.

Underlying the construction of this wonderful lamp or



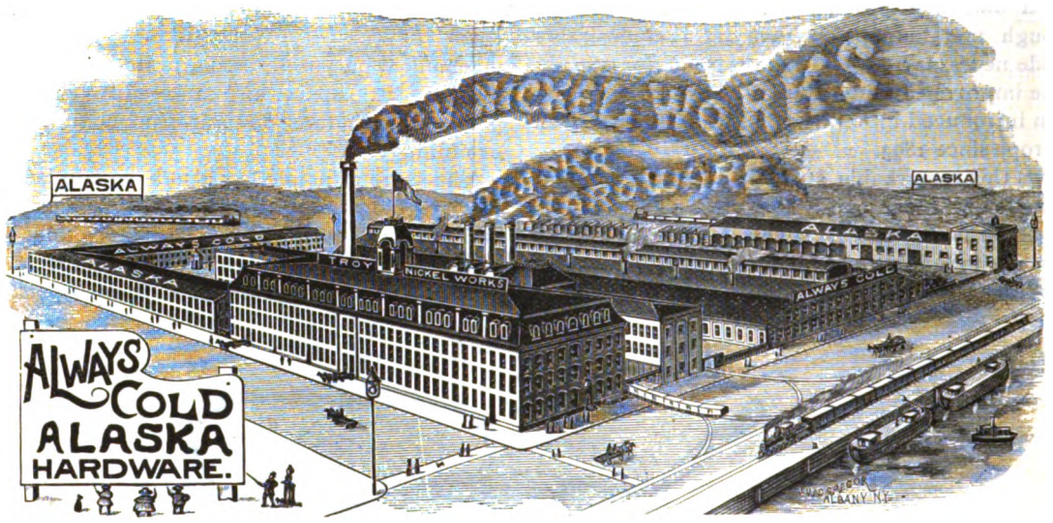
FIG. 2.

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stove are several important features that deserve more than a passing notice: It requires no wick; lights without creating any smoke; is perfectly odorless and free from soot or oil sweating; has a practically indestructible burner, which is capable of producing a powerful heat that it is claimed will boil a quart of water in four minutes. Any grade of kerosene oil can be used, as it is impossible to fill the lamp while burning, the removal of the filler cap completely extinguishing the flame. As the gas generated in the burner is consumed as fast as produced, it is claimed to be absolutely non-explosive, and the lamp while burning may be turned completely over without the slightest danger resulting therefrom. It is certainly a mechanical appliance well worthy of a thorough inspection by those interested. We call attention to their advertisement on page 50.

Troy Nickel Works.

Mention was made some days since in these columns, of the new purchase made by the Troy Nickel Works, and we are pleased to show in this connection an illustration of their new plant at Albany, N. Y. They expect to be in



operation in their new quarters by the first of May. This is probably the largest plant of this kind in the world, and the fact that works of this size are required to carry on the business built up by the Troy Nickel Works, is the best guarantee possible in favor of the Alaska Stove Trimmings, which they have manufactured with such great success in times past and at present. The outlook for the future is even better than that of the past, as these goods are growing steadily in influence, and increasing in output with every year that passes.

Some Strong Commendations.

The Enterprise Mfg. Co., of Akron, Ohio, certainly have reason to believe that their goods have won attention and commendation in all parts of the country. A representative of *Hardware*, who was recently in Akron, was permitted to look through a file of letters received by this company from all parts of the country, in which their specialties were spoken of in the highest degree. For instance, E. V. Williams, of Springfield, Mo., secretary and treasurer of the St. Francois Hunting and Fishing Club, Hatchie Coon Lake, Ark., writes: "We have fifty confirmed fishermen in our club and use a lot of your Luminous Bait. I am not competing for a prize, but I will give you an experience I had the 15th of last August; one I can substantiate by a number of good, reliable witnesses. The limit in bass at the club house is 50 a day. With one of your No. 8 Luminous Phantom Minnows I caught the limit, 50 black and green bass, in less than five hours. They ranged in size from 1½ to 4 pounds in weight."

F. H. F. Merier, of Ottawa, Canada, voices his one complaint in the following words: "There is one great fault to be scored against Luminous Bait—it kills too many fish. All must agree that this is bad; for what are we to do when no fish are left to catch? But we are taught that sufficient for the day is the evil thereof, and if we can catch a handsome string on a dark day, when the fish won't look at anything else, I don't think it a heinous offense to use Luminous Bait. One does feel so cheap after spending a whole day fishing to return home empty handed; and it certainly isn't honest to buy the little boy's string and say you caught them yourself.

"Then, too, it must be pleasanter and more satisfying to the fish to have an illuminated funeral. It should feel better to be caught with a handsome bait than with a common black hook and a worm, a tinsel fly or pewter spoon. No fisherman with regard for the feelings of the fish (or himself) should be without Luminous Bait in his tackle box."

These are but meagre samples from a very large number. The Enterprise people are only anxious to be tested by the actual value of their production, and any doubting Thomas who does not believe that results will be produced by these appliances, as claimed by the manufacturers, need only write to Akron, Ohio, for samples of the goods, and prove the question for himself.

The Berlin Iron Bridge Co., East Berlin, Conn., have a contract for furnishing the steel roof for a large storehouse which is to be erected by the Waterbury Mfg. Co., Waterbury, Conn. The building is 54 feet wide and 144 feet long. The side walls are of brick. The roof will be supported by steel trusses. The covering is to be corrugated iron lined with the Berlin Co.'s patent anti-condensation fireproof roof lining.

The Dunham, Carrigan & Hayden Co. announce, under date of April 3rd, that as their accommodations at No. 107 Chambers Street, New York, have become inadequate, their business has been removed to the Graham Building, No. 127 Duane Street, at the corner of Church Street. They occupy a new fireproof structure in the midst of the Hardware district.

Henry Haas & Son, Nos. 551 and 553 West Thirty-fifth Street, New York, have been very busy pushing their Eagle bicycle pump, which they inform us is "booming beyond all expectations." They add that they have orders on their books for more than they can supply in the next two months, with plenty of others in sight.

The annual convention of the Southern Hardware Jobbers' Association will be held in Savannah, Ga., on May 12th, 13th and 14th. This is to be a strictly business meeting.

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NEW GOODS AND SPECIALTIES.

The Tenax Folding Bicycle Stand.

Among the numerous folding bicycle stands which have been placed throughout the trade so successfully by Fred Hawley, Nos. 40 and 42 Gold Street, New York, especial mention should be made of the Tenax Folding Bicycle Stand, two illustrations of which we present in this article;



FIG. 1.

Fig. 1 showing it closed, in a manner which greatly facilitates its safe transportation all over the states, and Fig. 2, showing it ready for business in front of a store, to which the advertising head piece can be made quite an object of interest by arranging for frequent changes in the goods exploited in this manner. The illustrations show only the large size, No. 1, weighing 10½ pounds, and yet with a capacity for six bicycles, the measurements of which

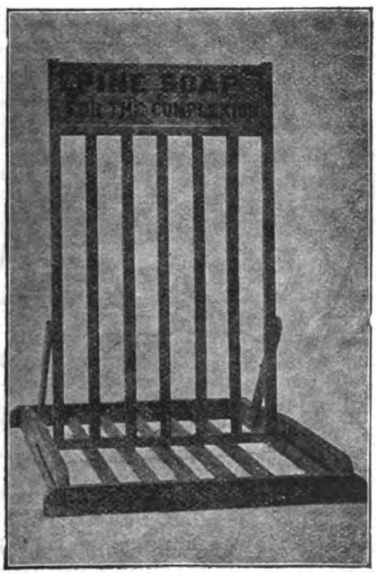


FIG. 2.

when open are 30½ inches long, 23 inches wide and 33¼ inches in height; the list price $1.75 each. A smaller size, No. 2, is also made, holding four cycles, and weighing but 8½ pounds, the list price of which is $1.60. Cycle stands of this character, distributed in the interest of the local agent for a leading wheel, would afford an excellent advertising medium, and while impressing the riders with their great convenience, would find a welcome in front of the most exclusive premises in any town where riders are plentiful.

Andress' Glass Cutting Novelties.

Thomas J. Andress, No. 821 Cherry Street, Philadelphia, Pa., is identified with the manufacture of a line of glass cutting novelties, one of the best known being illustrated below. This is a good selling line of useful special-



ties, and embraces in its variety combined glass cutters and putty knives, glass cutters, can openers and knife sharpeners, glass cutters, knife and scissors sharpeners, and the same combination having a gas burner plyer attached, and another having a corkscrew added. These convenient appliances are reasonable in price and deserve to meet with a ready sale. Catalogues will be mailed upon request to the manufacturer.

Bissell's Toy Carpet Sweepers.

The "Little Queen" Carpet Sweeper shown in the illustration which we present herewith, is not as one might suppose, a full sized sweeper, intended for adult use, but is one of a line of toy carpet sweepers, made by the Bissell Carpet Sweeper Co., Grand Rapids, Mich., and No. 103 Chambers Street, New York, which have long been favorites among the Hardware and house-furnishing trades. The new prices on these desirable goods have just been issued by the above company, and will be found in our "Prices Current." The new designs are very attractive and while this line for catalogue convenience is designated as a "toy line," they are much more than mere toys; they are really very useful little carpet sweepers, and carefully constructed to fulfil the useful character of such goods as an every day convenience in taking up light



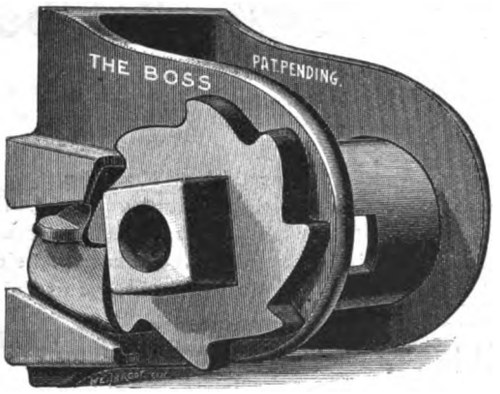
dirt from the hearth or carpet. Every Bissell carpet sweeper sweeps, and sweeps well, and even the little toy sweepers are no exception to the rule. The new line now enumerates the following: "Little Jewel," Bissell's "Little Queen," Bissell's "Child's" and Bissell's "Baby," and at either office of the Bissell company catalogues concerning this line, with full descriptive matter, will be furnished upon application.

The Boss Wire Fence Ratchet and Tightener.

W. C. Heller & Co., Montclair, N. J., are placing upon the market one of the simplest and yet extremely efficient devices now before the trade, to draw and keep the wire perfectly tight in any fence constructed of this material. This ratchet, which we illustrate herewith, is put on the

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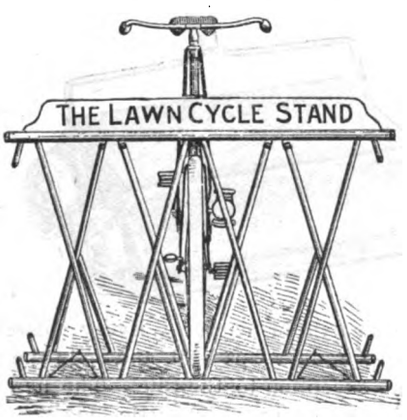
end posts of each 50 or 60 rod stretch of any make of fence wire. By turning the square part on the ratchet, with an ordinary wrench, absolute control of the fence is given, keeping it from sagging, breaking or in any way becoming unsightly. The catch can easily be held back to overcome the contraction of wire during cold weather, and when



necessary, the wire may be slacked to prevent it from breaking. By the aid of this useful appliance it is possible to build a fence with a great many less fence posts than in the old way. The ratchets are copper bronzed and very attractive in appearance. They are put up in wooden cases holding 100. Trade discounts given by the manufacturers on application.

The Lawn Cycle Stand.

The Lawn Cycle Stand Mfg. Co., Morristown, N. J., are manufacturers of the cycle stand of which we give an illustration below. It is designed for the use of families by placing it, as suggested by its name, upon the lawn; is also desirable upon the veranda or in any room set apart for bicycles. It has become very popular already at the grounds and club houses of tennis and golf players. The stands are made from quartered oak having a natural finish, likewise in maple and pine combined; the top and bottom rail being constructed from maple as possessing greater strength and durability, and is an improvement over those made in 1896, when they were constructed from pine only. They have been found to reach a great popularity on the sidewalks in front of large stores for the use of their riding patrons, as in many towns almost every store has perceived the great advantage of providing this convenience, usually having as an addition a small signboard as shown in the illustration, which permits the placing of special advertising of a local character, or the name of the firm only if desired. They are made in four sizes, to accommodate 2, 3, 5 or 7 wheels. They all have small rubber feet provided, which prevent their slipping, and a good feature in their construction is the fact that wheels can be placed from either side, so that by an alternation in the use of the openings they are more readily removed when necessary. Circulars conveying full information and giving list prices and discounts of the various sty es, will be mailed the trade upon application to the manufacturers.



The Goodrich Jiffy Repair Tool.

The B. F. Goodrich Co., Akron, Ohio, and No. 66 Reade Street, New York, are manufacturing the "Jiffy Repair Tool," which they are introducing to the trade, believing it will be found as useful an article for the purpose intended

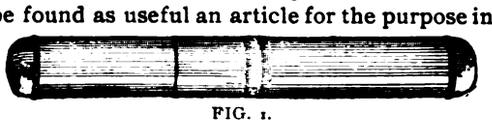


FIG. 1.

as anything now before the trade. It is intended for use in the repair of Goodrich Single tube tires, or other tires of a similar construction. We illustrate in connection with this article the few parts constituting this useful tool. Fig. 1, showing the style in which it goes into the



FIG. 2.

tool bag, while Fig. 2 is the tool proper, the point of which is inserted in any small puncture, and by turning the handle of the tool to the right, the solution with which it is filled is forced through the point of tool; plenty of solution should be used, so as to bring it in one mass directly over the puncture. Fig. 3 illustrates the appearance of



FIG. 3.

the inside of the tire when this repair is done successfully. Larger punctures are repaired in a somewhat similar manner, and with as little difficulty. The Jiffy solution which is used with the repair tool is a special mixture, and is furnished in bulk or tubes. Circulars giving full information will be mailed upon application.

A New Express Wagon.

The Canton Cycle Mfg. Co., Canton, Ohio, well known as manufacturers of the "Spark" cycles, are placing before the Hardware trade a new express wagon, every part of which is constructed in their works, and has formed part of their product for a long time. This is a cycle express wagon which is run by a chain gear, with pedals to the axles which are steered by a handle that is hinged in the centre, and bends back to the rider when sitting in the wagon. It is a very popular toy and is said to meet with a large sale wherever introduced, as it is made exceedingly strong and durable. The company are also extensive makers of a toy garden barrow, which is made in three sizes, and it is claimed is meeting with a popular reception among the dealers handling these goods.



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Novelty Force and Spray Pump.

The Berger Mfg. Co., Canton, Ohio, are manufacturers of the Novelty Force and Spray Pump, the method of using which we show in the illustration herewith, where it is shown in operation. It is manufactured from the best materials, the air valves and hinges being made of copper, and with a perforated bottom which prevents all foreign substances from getting into the pumps and obstructing the valves. Several styles of tubes are furnished with



the pump, by which it can be used for showering trees, for general sprinkling on flowers, vines, plants, etc., for washing carriages, low windows, and sprinkling dusty streets, and for hiving bees, washing high windows, and extinguishing fires. The pump is quite neat in design, being compact in form and light to handle. It is made in three styles, brass, galvanized iron and the best quality of IX tin; every pump being thoroughly tested before shipment.

Leiner's Tire and Chain Brushes.

Hall & Downing, No. 82 West Broadway, New York, are introducing to the Hardware trade and dealers in bicycle sundries, two of the most useful novelties for the use of cyclists which have come to our notice, and illustra-

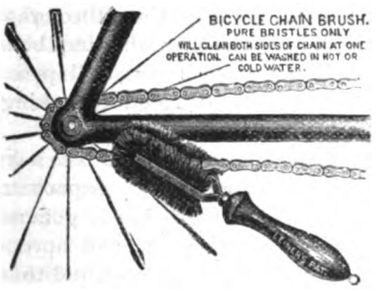


FIG. 1.

tions of which we present herewith. They consist of two convenient brushes, the use of which will be highly appreciated by cycle riders, to the most of whom the job of cleaning a wheel receives anything but a rapturous welcome. Fig. 1 shows the Bicycle Chain Brush, so constructed that it grasps both sides of the chain, which are freed from mud at a single operation; being made from pure bristles only, the use of hot or cold water readily cleans the brush in a few seconds. Fig. 2, similarly con-

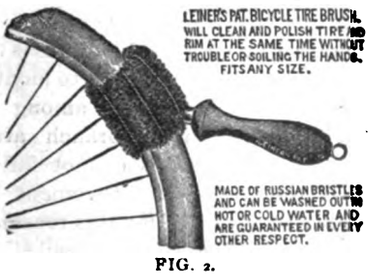
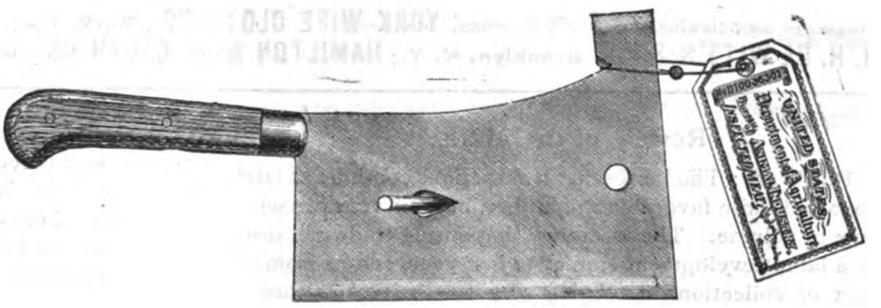


FIG. 2.

structed as to material and utility, represents "Leiner's Patent Bicycle Tire Brush," by the aid of which the tire and rim can be cleaned and polished at the same time, without even the fear of soiling the hands. It is made with a spring movement in its make-up, which permits its use on any size of tire without preliminary adjustment. The advertisement of these brushes will be found on page 47. To introduce them at once, the manufacturers offer to mail them on receipt of the nominal prices charged for the same, which are: Chain brush, 15 cents; tire brush, 25 cents.

Lowndes Patent Butchers' Cleavers.

John Chatillon & Sons, Nos. 85 to 93 Cliff Street, New York, are placing upon the market the "Lowndes Butchers' Cleaver," patented in 1895, which presents many interesting features, making it much more modern and up-to-date than is usual with this conventional class of goods. We herewith show an illustration of the cleaver, by which



its originality will be noticed. The protruding blade on the back cracks the bone in porterhouse steaks, chucks, shoulders, chops, etc., without hacking the meat or destroying the appearance of the steak. This also saves the front of the cleaver and leaves a straight edge for the chopping of meats, which will keep a butcher's block from being cupped out of true, as is usually the case. The blade of the cleaver is provided with a bevelled opening in the centre, by aid of which skewers can be extracted from ribs and chucks, with no danger of cutting hands or breaking knives. The little V-shaped cutter in the angle of the protruding blade, can be found useful in cutting the wire by which the inspectors' tag is fastened, saving the time of cutting it out, or pulling it away with a hook. The list prices at which these cleavers are sold are as follows: 8-inch blade, 1½, 2, 2½ and 3 pounds, $15 per dozen; 10-inch blade, 3 pounds, $20 per dozen. Discounts to the trade furnished on application.

The Boston & Lockport Block Co., No. 142 Commercial Street, Boston, inform us that the spring trade seems to be slowly opening up, and that so far as quantity is concerned, the prospects are that they will have a fair season. They cannot report any marked improvement as yet in regard to prices, and add "but think that that will follow, for as soon as our order book becomes fairly filled we shall feel more like insisting on our customers paying us nearer the right value for the goods." They report the receipt of an order for a suit of yacht blocks from Norway, from a gentleman who is building a forty-tonner, and with whom they have been in correspondence some twelve months. It is evident from this that the American blocks are preferred to those made in other countries.

The Akron Level Works, Akron, Ohio, have as their representatives in New York the Allerton, Clarke Co.; in Boston the E. H. Mansfield Co., and in Chicago, George W. Trout & Co. They carry in each place a good stock of goods on hand constantly, and prompt delivery will be made in all cases. They inform us that they are anticipating first-class trade this season.

Thiem & Co., of St. Paul, Minn., have brought suit in the United States Circuit Court against the Whaley Mfg. Co. of the same city, and others, for alleged infringement on their United States letters patent of Thiem's Adjustable Bicycle Toe Clip.

Anyone who has a Hardware store to sell, should address a note to E. I. P., care A. Seelig, No. 10 Second Avenue, New York, whose card inquiring for such a store may be found upon page 36 of this issue.

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NEW YORK WIRE CLOTH CO.,

102 Chambers St., New York.

WORKS LOCATED AT YORK, PA.; BROOKLYN, N. Y.; HOMER, N. Y.; HAMILTON, N. Y

——MANUFACTURERS OF——

PAINTED HARD STEEL WIRE SCREEN CLOTH.

DOUBLE SELVAGE, STANDARD QUALITY.

Owners of the following brands of Wire Cloth: **YORK WIRE CLOTH CO.**, York, Pa; **THE WIRE FABRIC CO.**, Homer, N. Y.; **J. H. DE WITT'S SONS**, Brooklyn, N. Y.; **HAMILTON WIRE CLOTH CO.**, Hamilton, N. Y., and the **DIAMOND** Brand.

Review of the Markets.

Hardware: The increasing transactions continue as lately reported quite favorable in number, but still very conservative in volume. The inference that spring trade will result in a later development similar to last year, comes from the fact of collections not being any too brisk. Without a brighter outlook for a more extensive movement of goods, the unsettled prices engendered by tariff discussions alone will prevent enjoying this season the success so freely believed would be its prevailing feature.

A number of the travelers for manufacturers are at home, or on short trips; while those of the jobbing houses are many of them just sallying forth full of hope and confidence, well armed for the fray with low prices and favorable terms.

Wire nails: Continue in the favorable condition which has surrounded this industry for some time. The orders booked for delivery in April are gradually getting off the factory books, and in regard to delivery more favorable conditions are apparent, although immediate delivery is still the exception and not the rule. Many of the mills have been making record-breaking outputs, exceeding in number of kegs all previous data, evidently doing their best to satisfy their customers and avoid any inconvenience. The price at mill is still held at f. o. b. $1.40@$1.45, but for prompt delivery, wherever possible on present orders an advance of 5@10 cents a keg is demanded. New York prices are: Carload lots on dock $1.55@$1.60. Smaller lots from store, $1.65@$1.70.

Cut nails: Are in fair demand, but a greater ease is noticeable in point of delivery. Prices remain about as they have been in previous quotations. Car-load lots on dock, New York, $1.40; smaller lots from store, $1.50.

Builders' Hardware: An increasing enquiry encourages the manufacturers in believing the future has more business in sight than has been evident for weeks. With a continuance of fine weather, there will doubtless be a good demand springing up in this seasonable line of Hardware. Prices continue very low under competitive conditions.

Wood screws: Lower prices are named in this staple line of goods, as will be noticed in our reading columns. The demand, as in analogous lines of goods, has been only nominal for the season's supply, with good stocks at factory to draw upon.

Linseed Oil: A gradual improvement in price is still noted in this important staple. The Dean Linseed Oil Co., quote as follows: In lots of less than 5 barrels, 33 cents per gallon; in lots of 5 barrels or more, 32 cents per gallon; Boiled Linseed Oil, 2 cents per gallon higher; Calcutta Oil, 50 cents per gallon.

THE PHILADELPHIA TRADE.

The event of the last week has been the arrangement with the outside shovel manufacturers, by which this competition has been disposed of and the position of the shovel manufacturers thereby greatly strengthened. As we understand it, there is now practically no outside competition, and it looks as if the shovel manufacturers might be able to maintain prices for some time to come.

With this exception, there are very few changes in prices, as it is recognized that most goods are on the bottom, and there is no room for further concessions. It is also claimed on almost all sides that a demand such as is natural at this time of the year, will surely cause an advance in general quotations.

Wire nails are in fair demand and are held pretty steadily at advance prices with some talk of further rise.

On the whole, trade may be said to be fair, and certainly shows an improvement over the previous months. This improvement appears to be steady, and gives rise to hopes that it will continue throughout the year.

Hardware is certainly moving much more freely and in larger volume than at any time for a year past, and tools are again called for, which is a pretty sure sign of better times. Perhaps the most marked feature of trade during the past year was the falling off in the demand for tools, which showed that mechanics were not at work, so an increased demand for this line is considered a most hopeful sign.

April 1st is the usual settling time throughout the eastern part of Pennsylvania and for the time being money is, therefore, easier, but the country is still poor and this is shown by the difficulty experienced in making collections in many districts.

After the period of distress which we have just gone through, it is hardly reasonable to expect an immediate return of better times, but the belief is general and widespread they are surely coming, and apropos of this a large wholesale merchant recently pointed to his new store and said: "How long do you suppose it would take to burn this store?" The answer was, "Thirty minutes." "Yes," said he, "but it was a year and a half in building;" and so while it is easy to pull down business, it naturally takes some time for a return to prosperous conditions.

BIDDLE HARDWARE CO.

THE PITTSBURG TRADE.

March business in the jobbing line was fairly satisfactory, and there is quite a lively movement so far in April. Retailers are buying conservatively, but the orders, though small, show that the country needs goods.

The most encouraging sign of the times is the increased number of men employed from month to month. Though there is still considerable complaint among manufacturers of dull business, yet in one branch after another, men are being taken on, and this cannot fail to help the jobber in a short time. The improvement seems to be coming slowly, but surely, and for this reason, will probably be more permanent when fully realized.

Bicycles are the absorbing item at present. Agents in the towns and villages have mostly made their arrangements, and only wait drying up of the roads to do a good business. In the cities, where paved streets make riding possible, the demand is quite large.

LOGAN-GREGG HARDWARE CO.

THE CHICAGO TRADE.

We are having a larger demand for all lines of Hardware and cutlery than we have enjoyed before in six

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Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILL

PIPE VISES, RATCHET DIE STOCKS, ETC

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn

Seymour Cutlery Co., ESTABLISHED 1839.

—SUCCESSORS TO—

HENRY SEYMOUR CUTLERY CO.,

Office and Factory, Holyoke, Mass., U. S. A.

Seymour Shears ARE THE STANDARD.



- Every pair is fully warranted and if found imperfect from any cause will be replaced with perfect shears.

No commission house is sole agent for the SEYMOUR SHEARS.

- Notice our imprint on every paper pocket inclosing shears.
- Write for Catalogue and prices.

months. During the past two weeks a marked revival has set in, several of our salesmen have sold new complete stocks of goods, which have been supplemented with quite an increase in our mail order department of regular spring and summer goods, so that our entire force of stock clerks, entry clerks, and packers have had to work over time several nights, until 10.30 or later.

Anticipating increased prices from the expected change in the tariff, is creating a demand for cutlery, guns and tin plate.

With settled spring weather, we confidently expect a first class trade in general Hardware.

WELLS & NELLEGAR CO.

THE DAVENPORT TRADE.

The Mississippi River has dismissed its winter cover and is enthusiastically celebrating the event. In fact, it is getting above its business in many places and slopping over. Just here it is still well behaved and keeps within bounds. Boats are running and our local packets are already bringing us business that during the winter has been diverted by east and west railroads to the city of department stores by the lake. The upper house of the Illinois legislature has expressed a desire by a vote of thirty-nine to four to have department stores depart from their State. Will they go? And what will the bargain-hunting women do then, poor things?

The mud is of not as fine quality as it has been, but there is more of it; hence the wheels sink deeper into the country roads and make wagon transportation very difficult, almost impassable, over our good state of Iowa, so rich in black loam soil. There is more demand for umbrellas and rubbers than for barb wire or nails; and more demand for sunshine than for either. The demand for free silver voters was greater than the supply as shown by the election of mayor and the entire city ticket in Davenport last Saturday. Money is scarce and hard to obtain; but our people insist upon having the best; what little there is of it.

Will write you all about trade and collections as soon as we have any; we are sure we will have both as soon as these persistent rain-clouds roll by.

SICKELS, PRESTON & NUTTING CO.

THE DENVER TRADE.

Although late and heavy snowfalls in the mountains are holding back trade from localities where they have occurred, the opening of spring in lower sections has brought what seems like a beginning of a realization of the improved trade which this season was expected to bring.

The fruit regions are jubilant over the prospect of more than average crops, agriculture in all lines promises well, mining is being vigorously prosecuted in every direction, and unless some very unexpected and unfavorable conditions arise, Colorado should surely be entering upon a prosperous year.

Not only in Denver, but in many other towns in the State, there is great activity in building lines. This city is fast taking on its old-time appearance, when one could not remain on the streets and get out of sight of new buildings. Everyone is too busy to ask "How is the new President and administration doing?" and, in fact, most people begin to realize that business does not depend upon the occupant of the White House.

The spirits of the people are rising with the temperature as the season advances, and may we not be disappointed.

GEORGE TRITCH HARDWARE CO.

THE ST. PAUL TRADE.

We are glad to report an improved business, though our country is badly flooded, delaying traffic of all kinds. Still this condition cannot last long, and with the sun shining, we feel as if spring were here, or would be ere long. Our sales for the last two weeks have been satisfactory, though prices are badly cut.

C. W. HACKETT HARDWARE CO.

THE GRAPHITE TRADE.

The graphite industry for the first quarter of 1897, shows in point of money received, a less amount than for the first quarter of 1896, but in point of number of orders, they would outnumber those of the previous year.

This shows a tendency on the part of buyers to keep in line in hopes of better things.

The disposition is for close competitive prices, with a big daily mail of preliminary inquiries before ordering.

The business is steady as applied to the different articles of graphite manufacture, after due allowance is made for the seasonableness of the kinds.

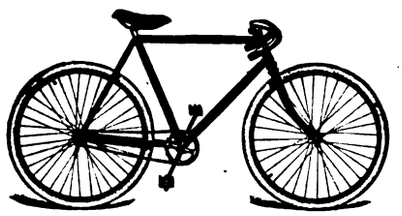
We feel that thus far in the year there is nothing discouraging in the outlook, and we have held our own well. Goods were never better, and every attention paid to detail of finish and quality brings us a fair share of business.

As an item of interest we would report that we have shipped goods within the past two months to prominent houses in more than fifty cities in England, France, Germany, Austria, Holland, South America, Central America, West Indies, Hawaii, Belgium, Scotland, Portugal, Denmark, China, Japan, Cuba, Mexico, Australia, South Africa and India.

JOSEPH DIXON CRUCIBLE CO.

In a recent number of the *Hardware Trade Journal* our British contemporary makes a frank confession in the following: "Why is it that the English firms cannot produce tailors' scissors equal to the American make? Ask any tailor which he prefers, and he will unhesitatingly tell you that the American is the best because lightest and easiest to work with. The handle fits the hand more sweetly, and the weight being on the blade requires less exertion than with the English scissors. 'In fact,' said a tailor to our Sheffield representative recently, 'I can work a pair of American scissors all day and be less tired than after an hour of the English make.'"

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Cleveland Bicycles.

THE KEEN BUYER

Always compares the price of an article with its honest value as he understands it; but it is not always easy to determine the value of a Bicycle, as beneath the gaudily finished exterior of a cheap machine there lurks defective material and inferior workmanship.

Our '97 catalogue tells how to invest $100 or $75 in a bicycle and get the value of yo .r money. Write for it; a postal will do!

H. A. Lozier & Co.,

CLEVELAND, OHIO.

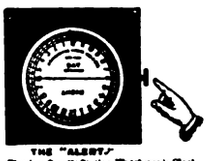
Send 4 cents postage for our booklet, "Shakespeare and the Bicycle." 12 special designs in colors by F. Opper, of "Puck." Mention this paper. . . .

Headquarters

FOR

ELECTRIC and PORTABLE

Watchman's Clocks



THE "ALERT."

E. O. HAUSBURG, 41 Maiden Lane, New York.

"DAILY FEEL THE BENEFIT."

Energy Mfg. Co., Philadelphia, Pa. [Dumbwaiters]: We daily feel the benefit of our card in your columns.

Minute Workmanship.

In the twentieth year of Queen Elizabeth, says an English contemporary, a blacksmith named Mark Scaliot made a lock consisting of 11 pieces of iron, steel and brass, all f which, together with the key to it, weighed but one grain of gold, consisting of 43 links, and having fastened this to the before mentioned lock and key, he put the chain round about the neck of a flea, which drew them all with ease. All these together, chain and flea, weighed only one grain and a half.

Oswaldus Northingerus, who was more famous even than Scaliot for his minute contrivances, is said to have made 1,500 dishes of turned ivory, all perfect and complete in every part, yet so small, thin and slender, and all of them were included at once in a cup turned out of a peppercorn of the common size. Johannes Shad, of Mitelbeach, carried this wonderful work with him to Rome, and showed it to Pope Paul V., who saw and counted them all by the help of a pair of spectacles. They were so little as to be almost invisible to the eye.

Johannes Ferrarius, a Jesuit, had in his possession cannons of wood, with their carriages, wheels and other military furniture, all of which were also contained in a peppercorn of the ordinary size.

An artist named Claudius Gallus made for Hippolytus d'Este, Cardinal of Ferara, representations of sundry birds sitting on the tops of trees, which, by hydraulic art, and secret conveyance of water through the trunks and branches of the trees, were made to sing and clap their wings, but at the sudden appearance of an owl out of a bush of the same artifice, they immediately became all mute and silent.

Dr. Oliver gives an account of a cherry stone on which were carved 124 heads, so distinctly that the naked eye could distinguish those belonging to popes and kings by their mitres and crowns. A Nuremburg top maker inclosed in a cherry stone, which was exhibited at the French Crystal Palace, a plan of Sebastopol, a railway station, and the "Messiah" of Klopstock.

Myrmecide wrought out of ivory a chariot with four wheels, and as many horses, in so little room that a small fly might cover them all with her wings.

Peter Bayle, a clerk of chancery in the time of Queen Elizabeth, once wrote the Lord's Prayer, the creed, the commandments, two prayers, and his own name and office, in addition to the year, month and day of the Queen's reign, in characters so small as to be enclosed in the head of a ring, which ring was afterward accepted by the Queen, and was worn on the august finger.

We have Pliny's statement that in his time there existed a copy of Homer's "Iliad" small enough to go into a nutshell, and a German, Professor Schreiber, produced only a few years back, by the stereographic process, a copy of the German translation, extending to 600 pages, of both "Iliad" and the "Odyssey," so small that a nutshell held the whole comfortably.

A New Market for Hardware.

Visiting a Birmingham brass foundry a short time ago, the writer was shown some brass door fittings of massive size and costly design, which he was informed were intended for a new palace in Siberia. Some idea of the extent and cost of the palace may be gleaned from the fact that the door and window fittings and other brass work for one wing only totalled £1500. Siberia is a great market of the future. The building of the great Siberian railway, 4800 miles in length, is proceeding vigorously, and the opening of the line from end to end is expected to take place in the fourth or fifth year of the new century. Meanwhile portions of the line are being opened for traffic, and this fact, together with the free colonization of Siberia and the temptations held out by the Government of Russia, has induced vast numbers of the peasants to settle in the fertile plains of Irtish and Obi. The promise of cheap railway fares, and the offer of forty-three acres of Crown land to each settler, tempted in May last year 100,000 immigrants from the congested parts of Great and Little Russia, and the inrush this year is expected to be still more considerable.—*Hardwareman.*

The Venetian government was the first civilized power to use powder, and they employed the first cannon in the battle of Chioza, in 1318.

STUBS' FILES & TOOLS.

S. J. ADDIS' LONDON CARVING TOOLS.

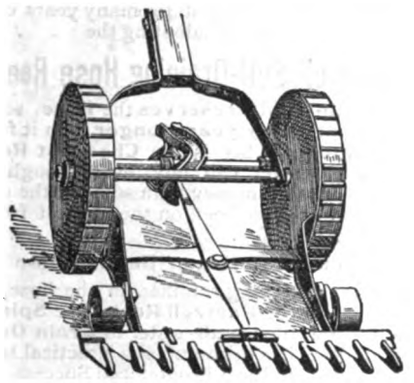
HAMMACHER, SCHLEMMER & CO.

DIRECT IMPORTERS

209 BOWERY NEW YORK.

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THE CLIPPER OUR IMPROVED LAWN MOWER.



Light, more **durable and less liable** to get out of order than those now in general use. Nothing escapes the grasp of the Pioneer, weeds, dandelions and plantains being cut as closely and evenly as grass. Only requires the same power to cut grass two feet high as it would to cut two inches, and cuts more closely in the mowing of irregular surfaces and spaces, such as between posts of fences, walks and shrubbery. The Clipper Mower is not analogous to other lawn mowers, as it does not roll down the grass preparatory to cutting it; the finger bars and fingers thereon of the mower, gather in the grass in nearly an upright position, and the vibration or reciprocating motion of the knives shears off the grass with uniformity. **There is no use for sickle or shears where the Clipper is used.** For descriptive Circulars and Prices address the makers.

Clipper Lawn Mower Co., Norristown, Pa., U.S.A.

OILERS

25c.



Highest Grade Oiler.

DOES NOT LEAK.

Regulates supply of oil.

A little higher in price but,—

10c.



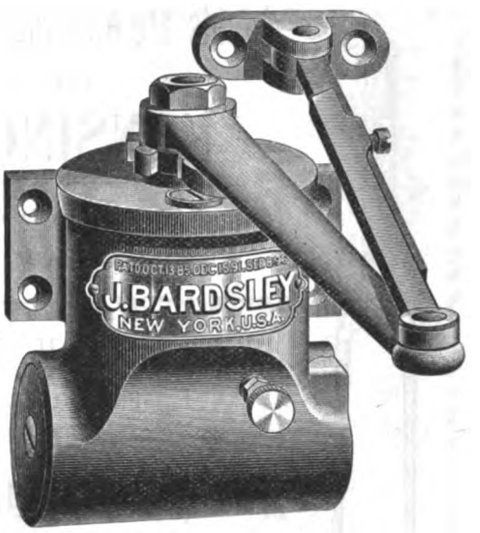
The Best Medium Grade Oiler.

Made in best manner possible.

Second to none but the "Perfect."

CUSHMAN & DENISON, Mfrs., 172 9th Ave., N. Y.

The "Bardsley" Oil Door Check and Spring.



THE LATEST AND BEST.

Has a reserve liquid chamber, an improved and more elastic and durable spring which cannot be used wrong way up, new adjustable arms and a releasing device which removes the checking power at the closing point. It is entirely free from packing friction and can be readily taken apart by any one with the help of a screw-driver only. . . . . .

LIST PRICES;

Size A, - - - $3.50
" B, - - - - 4.00
" C, - - - 5.00
" D, - - - - 6.00
" E, - - - 7.00

Send for Catalogue.

JOS. BARDSLEY,

147 to 151 Baxter Street, NEW YORK.

To the Hardware Trade:

There will be no change in the business formerly conducted under the name of

CHAS. MORRILL, MANUFACTURER AND DEALER IN

Saw Sets, Bench Stops, Parallel Pliers, Universal Punches, Car Sealers, and Standard Parallel Cut Nippers.

NO. 35 WARREN ST., - NEW YORK.

It will be continued under the same name and at the same location.

Business Maxims.

A Western business house has adopted the following pungently expressed rules for its employes. They will be found suggestive for retailers in any line:

Keep your eyes on the front door. Customers should be waited on promptly and pleasantly.

Salesmen when disengaged will take positions near the front door instead of the back. Customers do not come in at the rear.

Don't stand outside the front door when at leisure. It is an excellent notice to competitors and customers that trade is dull.

If you know of an improvement of any kind suggest it at once to the manager, and it will be impartially considered.

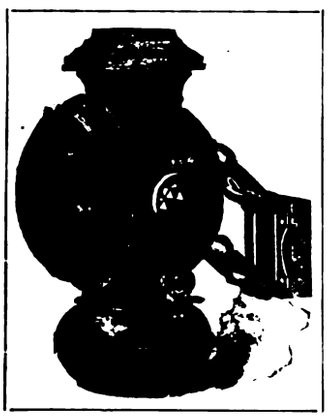
Employes are requested to wear their coats in the store. It is not pleasant for a lady to have a gentleman waiting on her in his shirt sleeves or with his hat on.

Clerks when on jury duty have the privilege of turning in their fees or having the time absent deducted from their wages. Drawing salary for their services, the company is entitled to their time or its equivalent.

Keep mum about your business. Always have a good word to say for it and never say it is dull. Keep your eyes and ears open about your competitors.—*Exchange.*

Thomas Carn, an Englishman, it is claimed, lived to the unparalleled age of 207 years, and a Russian subject is said to have attained the age of 205.

There is one thing an unclean shop can be depended upon to do, and that is to clean out customers.



Aladdin's Lamp THE NEW ONE

Price, $2.50.

Is unapproachable in the lamp makers' art. Its new features make it the seller of the year. Oil cup enlarged; reservoir and lens hinged and cannot be lost; patent lighter that beats the band; double unbreakable springs can be removed; without solder or rivets. Sold through jobbers only at attractive prices.

SEND FOR CIRCULAR.

THE ALADDIN LAMP CO., *107 Chambers Street, NEW YORK, and 518 Broad St., NEWARK, N. J.*

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Our Fork Crown.
"Pat. applied for."

Agents are wise who get an Agency

... FOR THE ...

KENSINGTON

Full of tried and up-to-date improvements.

SELLS AT SIGHT.

THREE MODELS:

$100, $75, $60.

A Magnificent Line.

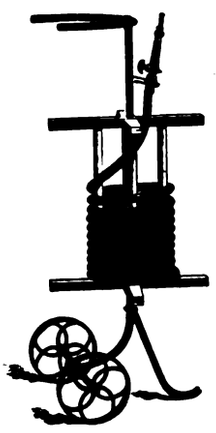
THE

Martin & Gibson Mfg. Co.

BUFFALO, N. Y., U. S. A.



Our Name Plate.


PATENTED.

The Great Destruction

that has been going on for many years can now be stopped by adopting the . . .

Hartzell Self-Draining Hose Reel.

It **Drains** and **Preserves** the **Hose**, so it will **last many years longer** than it formerly did. This is the **Cheapest Reel** your customer can buy, even though it sells for more money than some of the old styles that have been on the market from "Way Back." . . . . . .

No more Rotten or Bursted Hose

from water being retained in the hose, if wound on the **Hartzell Reel.** The **Spiral Channel** allows **all** water to **Drain Out.** This Reel has been under a practical test for years, and is a Pronounced Success. It has many friends who appreciate its . .

SUPERIORITY.

Goods Packed and Shipped in Dozens, Gross and Car Loads.

If you cannot buy them of your Jobber, the manufacturer will be pleased to fill your orders.

The Hartzell Novelty Works, (Sole Manufacturers) ALLIANCE, OHIO.

Side Line Offered.

SALESMEN wanted visiting the Hardware trade, to sell a high grade metal polish. Good inducements. Address Cross, care T. J. Nay & Co., Nos. 18 and 20 Franklin Street, Brooklyn, N. Y.

Store Wanted.

TO BUY—Wanted a Hardware store. Address E. I. P, care A. Seelig. No. 10 Second Avenue, New York.

Told by a Traveler.

This story is told by a commercial traveler of the Grand Trunk Railway in Canada, which is said to be still a little rough: "We were bounding along," he said, "at the rate of about seven miles an hour, and the whole train was shaking terribly; I expected every minute to see my bones protruding through my skin; passengers were rolling from one end of the car to the other, but I held on firmly to the arms of my seat. Presently we settled down a bit quieter—at least, I could keep my hat on, and my false teeth stopped coming out. There was a quiet looking man opposite me. I looked up with a ghastly smile, wishing to appear cheerful, and said: 'We seem to be going a little smoother, I see.' 'Yes,' said he, 'we're off the track, now.'"

A Fatal Key.

About the year 1600 a stranger named Tebaldo established himself as a merchant in Venice. Soon becoming infatuated with the daughter of one of the most ancient and wealthy families he asked her hand and was rejected, the young lady being already affianced. Half crazed and thoroughly enraged, he planned revenge. Being an excellent mechanic he soon evolved a most formidable looking key. The handle of this unique weapon could be easily turned. Being turned it disclosed a spring with a missile in the shape of a needle of exquisite fineness. With this weapon Tebaldo waited at the church door until the maiden he loved passed in on the morning of her marriage.

When the bridegroom appeared the desperate lover, unperceived, sent the slender poisoned needle into his rival's breast, and within an hour he was dead of a "strange, baffling disease." Again Tebaldo demanded the hand of the maiden, but was refused. Within a few days both her parents had died in a very mysterious manner. Suspicion being excited, examination was made, and the small steel instruments found in the flesh in both cases. One day the maiden allowed Tebaldo an audience, but told him that she would never be his bride. Within an hour she was a corpse. Tebaldo was suspected, the key was discovered and the culprit hanged. The celebrated "key of death" is still shown to the curious visitor of the Venice Museum. —*St. Louis Globe Democrat.*

A philanthropist once engaged in conversation the daughter of a wealthy manufacturer who employs hundreds of men, and, taking a great interest in the welfare and advancement of the poor workingman, asked her if she never did anything for her father's hands? "No," was the reply, "but I rub mine with glycerine and oatmeal every night."—*Industrial World.*

Maude—Papa says he doesn't mind my latest fad if I can only stick to it.

Hilda—What is it?

Maude—A bicycle.

"SCIOTO" for R. R. or Canal Work.

A thoroughly first class bolted barrow. Full sized Tray. Well planed, cleated, braced and bolted. Legs and cross pieces gained. Knocks down for shipping and is easily set up.



The Kilbourne & Jacobs Mfg. Co.,

COLUMBUS, OHIO.

Producers of BARROWS, SCRAPERS, ROAD MAKING MACHINERY, STEEL SHAPES, Etc., Etc.

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RUSSELL & ERWIN MANUFACTURING CO.,

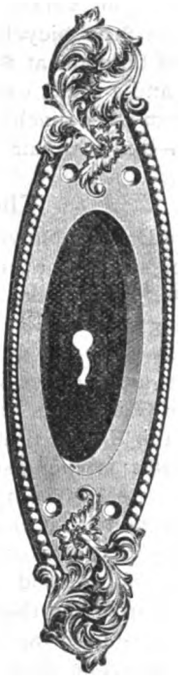
NEW BRITAIN, CONN. NEW YORK. PHILADELPHIA. BALTIMORE. LONDON.

MANUFACTURERS OF

BUILDERS' HARDWARE.



BRUNSWICK DESIGN.



HARRINGTON DESIGN.



DE BERCY DESIGN



VEROCCHIO DESIGN.

BICYCLES AND TANDEMS

SEE THESE PRICES!

We sell to the Jobbing trade exclusively, and quote

Bicycles, $50.00.

Tandems, $75.00.

LIBERAL DISCOUNT.





We use Morgan & Wright Quick Repair or Hartford Rubber Co.'s Hose Pipe Tires; Adjustable Handle-bars, either Wood or Steel; Drawn Spokes, made by Excelsior Needle Co.; Balls made by Simonds Rolling Machine Co.; Kensington Pedals; all wheels and tandems equipped with celebrated Christy Saddle, and we give the usual guarantee. CAN DELIVER AT ONCE.

For further particulars address

DERBY CYCLE CO., Jackson, Mich.

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American Screw Co.'s List.

The American Screw Co., Providence, R. I., under date of April 1, 1897, have issued the following revised discount sheet on goods of their production:

WOOD SCREWS.

	Description.	Disc't.
Iron.	Bright, Flat Head, Cut	90%
"	" " " Forged	90%
"	" Round and Oval Head,	85%
"	Drive	90%
"	Blued, Flat Head (add 5 per cent to net amount of invoice)	90%
"	Blued, Round Head	85%
"	Felloe, Flat Head	87½%
"	Pinched Head	85%
"	Japanned, Flat Head	85%
"	" Round Head	85%
"	Tinned, Flat Head	
"	" Round Head	
"	Lacquered, Flat Head	
"	" Round Head	
"	Bronzed, Flat Head	
"	" Round Head.	
"	Brass-Plated, Flat Head	
"	" Round Head.	
"	Copper-Plated, Flat Head.	
"	" Round Head.	
"	Nickel-Plated, Flat Head, Burnished	80%
Iron.	Nickel-Plated, Round H'd, Burnished	77½%
"	Silver-Plated, Flat Head.	60%
"	" Round Head.	60%
Brass.	Flat Head	90%
"	Round and Oval Head	85%
"	Lacquered, Flat Head	
"	" Round Head.	
"	Bronzed, Flat Head.	
"	" Round Head.	
"	Silver-Plated, Flat Head, Burnished	60%
"	Silver-Plated, Round H'd, Burnished	60%
"	Nickel-Plated, Flat Head, Burnished	66⅔&6%
"	Nickel-Plated, Round H'd, Burnished	66⅔
Copper.	Flat Head	
"	Round Head.	
Bronze.	Flat Head.	87½%
"	Round Head.	85%
Phosphor Bronze	Flat Head	
"	" Round Head	
For Export.	Flat Head Iron	90%

MISCELLANEOUS GOODS.

Description.	Disc't.
Machine Screws.	
Iron, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Brass, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Milled Machine Screws	
Cap Screws, for Locks, Iron, blued	85%
Side Knob Screws, Iron, blued	85%
" " Brass and Bronze	85%
Taps, for Machine Screws	70%
Tire Bolts, Norway Philadelphia	80%
" Eagle Philadelphia	85%
" Bay State, Plain	75&10%
" " " Fluted	80%
Sleigh Shoe Bolts	85%
Stove Bolts, Flat Head	75&10%
" " Annealed	75&10%
" Round Head	75&10%
Stove Rods	70&10%
Sink Bolts	75&10%
Coach Screws	82½%
Rivets.	
Norway, Ordinary, in Bulk	75&10%
Coopers, in Bulk	75&10%
Thousand, in Bulk	75&10%
Thousand, in Papers	75&10%
Block and Carriage, in Papers of 100	75&10%
Hame	75&10%
Belt, with Burrs	75&10%
Bay State	80%
Burrs, for Rivets	75&10%
Hand Rail Screws	82½%
Dowel Screws	85%
Winged Screws	85%
Pointed Wires	80%
Tapped Nuts	
Standard Penny Wire Nails	
Dowel Pins, Barbed and Plain	
Miscellaneous Wire Nails.	
1, 5 and 10 lb. Packages	87½%
25 and 50 lb. Packages and 100 lb. Kegs	87½%
Special Goods	

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days, delivery, f.o.b. wharf or depot in Providence. Freight paid, except on Wire Nails, on shipments of over 100 pounds, to principal cities on or east of Mississippi River, where the rate does not exceed 50 cents per 100 pounds. Discounts subject to change without notice.

The New Catalogue of Monarch Cycles.

Among the many elaborate and handsomely illustrated catalogues made possible by the modern methods of bicycle advertising, there are few this season more strikingly interesting than the one just issued by the Monarch Cycle Mfg. Co., Chicago, Ill., and No. 83 Reade Street, New York. It is the sixth annual catalogue of this progressive and successful company, and is a specially artistic creation in the way of catalogue construction, being a small quarto 8x7 inches in size, embellished with a cover in imitation of embossed bronze exceedingly modern in its conception, treatment and execution. Among its contents, in addition to the technical description of the many models of cycles produced by them, and of their varied equipment, etc., will be found a number of very artistic and appropriately colored portraits of some of the leading artists of the dramatic profession and of the office staff of the Monarch Co., all of them engaged in the pleasant occupation of riding some one of the many productions of this noted company. Among the portraits presented we noted the following: Georgia Cayvan, Margarette Mercer, Loie Fuller, W. H. Crane, Frank Daniels and Walter Jones. Representing the Monarch staff are Bliss and Lumsden, who are the managers of the Chicago retail salesrooms; W. J. Mead, the manager at the factory, and Tom Monarch Cooper, who leads the procession of speed makers. The likenesses are remarkably good, and form an interesting feature of this otherwise unique catalogue.

The manufacturers state with some degree of pride that "in issuing our sixth annual catalogue, we give further evidence of the spirit of progression which has characterized us since the inception of the business, in that our new models are nearer perfection than ever, the best the trinity of mechanical skill, excellence of material and the finest equipped bicycle factory in the world can produce.

"We offer a pair of entirely new machines, Models 46 and 47, list $100, containing no parts used in our 1896 production. On these wheels we stake our reputation, believing that their many new and thoroughly tested mechanical features will render them the most popular bicycles in 1897. In our Models 44 and 45, list $75, we give exceptionally good values, possessing all of the qualities of the average $100 bicycle. In addition to these, we offer a pair of tandems at $150 each, a racer, Cooper Special, at $125, and a road racer at $100. We have also a pair of medium-price machines, Defiance, at $60—cheap only in price—and two pair of juvenile wheels at $40 and $50."

The Dangler Stoves.

The Dangler Stove & Mfg. Co., Cleveland, Ohio, report a good season for their special line of goods. As the trade knows, they make three distinct lines of cooking and heating stoves, viz.: the Gasoline Vapor and Evaporating Stoves of every description; the Blue Flame Oil Cook Stoves and Ranges of every description, and also a large line of Gas Stoves and Ranges. Their trade extends all over the United States, and as gas for fuel for domestic purposes is increasing rapidly, especially in the larger cities, the gas companies find it to their interest to increase the output of gas and make such prices for fuel purposes so that it is as cheap, if not cheaper, than to use either coal or wood, while it is very much more convenient and labor-saving than any other fuel. While the interest in the gasoline vapor and evaporating stoves, as well as the blue flame stove has not in any way been affected by this increased use of gas, as that class of stoves has never been used to any extent in the larger cities, but generally in the smaller towns and country, so the demand for those goods is not materially affected. Oil and gasoline can be obtained at any cross-road grocery through the United States, at a price that is, in many cases, cheaper than any other kind of fuel. While the Blue Flame Oil Cook Stove is comparatively new, it is very popular, which is largely due to the fact that the heat is greater than the ordinary illuminating oil, while the consumption is less, and the quality of oil is immaterial.

Clipper Lawn Mower.

Special attention is called to the notice and illustration of the Clipper Lawn Mower shown on page 35 of this issue. This article is being manufactured with great success by the Clipper Lawn Mower Co., Norristown, Pa. The points of advantage to which attention is specially called by the manufacturers are stated as follows: "The Clipper is light, more durable and less liable to get out of order than those now in general use. On account of the simplicity of construction, nothing escapes the grasp of the Clipper, weeds, dandelion and plantain being cut as closely and evenly as grass. The height of the grass is immaterial to the Clipper, as it only requires the same power to cut grass two feet high as it would to cut two inches, and cuts more closely in the mowing of irregular surfaces and spaces, such as between posts of fences, walks and shrubbery. The Clipper Mower is not analogous to other lawn mowers, inasmuch as it does not roll down the grass preparatory to cutting it; the finger bars and fingers thereon of the mower, as it progresses, gather in the grass with a degree of uniformity in nearly an upright position, and the vibration or reciprocating motion of the knives shears off the grass with a degree of uniformity. In introducing the clipper to you, we wish to impress upon your minds that there is no use for the sickle or shears where the Clipper is used."

HARDWARE costs only One Dollar a year.

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The President of the United States.

What the President of the United States Thinks About Our Enterprise.

William McKinley addressed the Convention of The National Cash Register Company, at Dayton, Ohio, October 22, 1895.

"It gives me great pleasure," he said, "to meet you here, and to congratulate you upon the splendid enterprise in which you are engaged.

"I have known The National Cash Register Company for many years. I have known the splendid progress of that industry in the past, and my only wish for you is that the business of this country from now on may be such that there will be a great demand for your cash registers, and that we will be able to register more cash than ever before in the transactions of this state and the country at large.

"What we want, no matter where we live and no matter in what occupation we may be engaged, is the highest prosperity possible for our country, and whatever will secure such prosperity, no matter what it may be."



The Secretary of State.

What the Secretary of State Says About Our Work.

On Saturday, October 24, 1896, Hon. John Sherman addressed the International Convention of The National Cash Register Company. He said:

"It gives me great pleasure to address an assembly of this kind upon whose faces are written intelligence, ability and integrity. Our country is made greater by the progress and strength of its industries. And among these industries none has a better reputation for integrity and strength than The National Cash Register Company.

"You people are engaged in a very great work—properly taking care of their cash for retail merchants. If the cash is right everything else will be right.

"There is plenty of cash in this country, and if it is well taken care of and properly handled the cry of hard times will be heard no longer."



John Wanamaker.
Twenty National Cash Registers in use in his Philadelphia Store.

What the Retail Merchants of the World Say About National Cash Registers.

We are proud of this indorsement by the president of the United States and by the secretary of state, but we are prouder still of the indorsements of our company and of our registers by more than one hundred and fourteen thousand retail merchants throughout the civilized world who have purchased registers from us and are now using them.

We have testimonials from thousands of these merchants, and to any retailer who desires we shall be glad to send copies of letters written by merchants in his line of business who reside in his immediate vicinity.

Send us your name, address, business, number of clerks in your store, and state whether or not you employ a cashier. We will send you in return, free of charge, a handsomely-printed description of a cash register system used in stores like yours. You place yourself under no obligation to buy. Address Dept. H, The National Cash Register Company, Dayton, Ohio.

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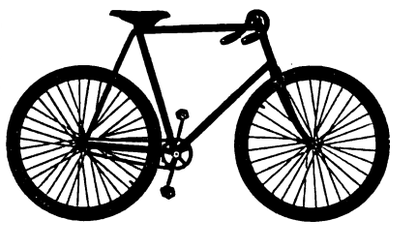
SAGER SADDLES.

Largest Variety, Largest Quantity, and Best Prices.

Regular leather saddles, padded hygienic saddles and pneumatic saddles.
Insist on **SAGER'S** and you will get the best. . . . . .

Sager Manufacturing Co.,

Most Extensive Saddle Works in the World. ROCHESTER, N. Y.



THE "SPARK" '97 MODEL

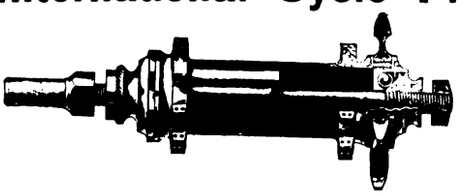
An up-to-date machine. List, $60.

ONE WHEEL. Best Grade. ONE PRICE, $60.

If you have a first-class store put in a first class wheel for your leader. **THE "SPARK"** will fill the bill. Address

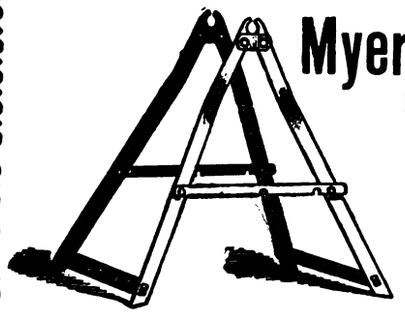
CANTON CYCLE MFG. CO.,
Canton, Ohio.

International Cycle Fittings Co.



EVERYTHING FOR A WHEEL.

70 & 72 READE ST., NEW YORK, U. S. A.



Myer's Home Trainer.

Bicycle Stand, - Truing Gauge
—AND—
Home Trainer.

The very best, most complete and cheapest trainer. THE HIT at all Cycle Shows

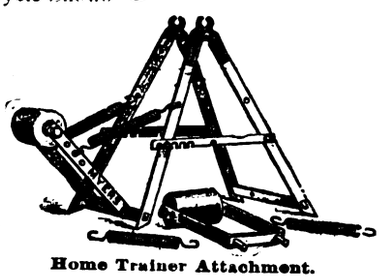
Bicycle Stand.

NO NOISE. RUNS EASY.

Weight, 4½ lbs. complete, made of Spring Steel Carries a 350 lb. man.

A First Class Cleaning Stand.

Will fit any wheel front or rear. A Home Trainer superior to any. Enables the customer to try and adjust wheel in store before purchasing. . . . .



Home Trainer Attachment.

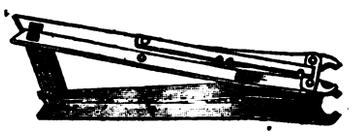
Truing Device Attachment.

Simplest and cheapest on the market.

Myer's Safety Bicycle Stand, $1.30; per doz., $7.20.
Home Trainer Attachment, - 1.00; " 6.00.
Truing Gauge. - - - 1.00; " 9.00



For Exercise or Training.



Stand Folds Up Like This.

OUR '97 CATALOGUE NOW READY.

UNION BICYCLE SUPPLY CO.,

Wholesale Jobbers in all kinds of
BICYCLES, SUNDRIES and MATERIALS,
Cheapest Bicycle Supply House in America. 68 Murray St., New York.

WILLEY'S Enameling Ovens



Fully Guaranteed in Every Respect. . . .

Sheet Metal Ovens

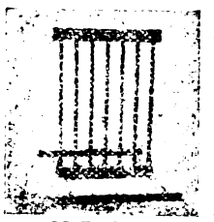
Of all kinds, built to order, and kept in stock. . . . .

A. WILLEY,

179.X Lake Street, CHICAGO, ILL.

You are dead slow

If you do not place a dozen or more



23 Inches.

Parker's Folding Bicycle Stands

No. 2 or 6 Wheel Stand. **Price, $1.75.**

in different places on prominent thoroughfares in your locality with your "ad." on top. . . .

FRED. HAWLEY,

40 Gold St., New York City.

YOUNG'S PATENT PORTABLE BICYCLE STAND



2 Wheel Stand.

Is the best of its type, made to hold one, three, five and seven Wheels. Its largest field of usefulness is on the sidewalks, public and private lawns, for the temporary rest of the Wheels. Merchants provide them for their Customers. Clubs for their Members. Factories for Employees. Schools for their Scholars. Parents for their Children, etc. Send for descriptive circular.

Partial Price List:

2 WHEEL STAND, $1.25 5 WHEEL STAND, $2.50
3 WHEEL STAND, $2.00 7 WHEEL STAND, $3.00

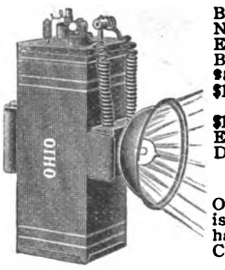
Liberal Discount to the Trade.

Lawn Cycle Stand Mfg. Co.,

Morristown, N. J.

WE UNDERSELL ALL.

It gives a Light that's White and Bright,
And two cents is the cost per night.



Bicycle Elec. Lights	$4.00
Necktie Elec. Lights.	1.50
Edison Elec. Motors.	1.00
Battery Fan Motors.	5.00
$8 Medical Batteries.	3.95
$100 Bicycles, best make.....	89.00
$1.25 Bicycle Bells....	.50
Electric Bells, finest.	.30
Dry Batteries, best..	.25

Discount to Dealers.

Our Bicycle Electric Light is the best thing that ever happened. . . . . Catalogues free.

OHIO ELECTRIC WORKS, CLEVELAND, O.



Portable Striking Bag.

A Home Gymnasium. Stand in corner when not using. Agents Wanted. Send for Illustrated Catalogue.
Hawthorne & Sheble, 900 Chestnut St., Philada., Pa.

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WYNNEWOOD TANDEM AT $100.

Catalogue . . . Now Ready.

GOOD AGENTS WANTED.

Wynnewood BICYCLES AT $75, $60, and $50.

A. M. Scheffey & Co., 92 READE STREET, NEW YORK.

We can interest liberal cash buyers on

Sherman Bicycles

Three Models. Ask for Catalogues.

THE SHERMAN CYCLE CO.,
135 SO. CLINTON STREET,
CHICAGO.

The Mutual Life Insurance Company,

OF NEW YORK.

RICHARD A. McCURDY, President.

Statement, ...

For the year ending December 31st, 1895.

Assets - - - - - -	$221,213,721.33
Liabilities - - - - - -	194,347,157.58
Surplus - - - - -	$26,866,563.75
Total Income - - -	$48,597,430.51
Total Paid Policy-holders in 1895,	$23,126,728.45
Insurance and Annuities in force,	$899,074,453.78
Net Gain in 1895, - - -	$61,647,645.36

NOTE.—Insurance merely *written* is discarded from this Statement as wholly misleading, and only insurance actually issued and paid for in cash is included.

Paid to Policy-holders since organization,	$411,567,625.79

ROBERT A. GRANNISS, Vice-President.

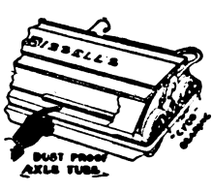
WALTER R. GILLETTE, - - - - General Manager,
ISAAC F. LLOYD, - - - - - - 2d Vice President,
FREDERIC CROMWELL, - - - - - Treasurer,
EMORY McCLINTOCK, - - - - - Actuary.

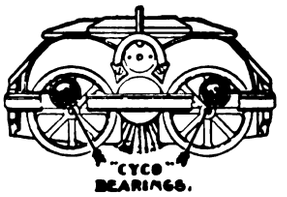
Bissell's

"CYCO" BEARING

Carpet Sweepers.

The Greatest Improvement ever made in Carpet Sweepers.





Reinforcing the celebrated Bissell *"BROOM-ACTION"* and in connection with the *DUST PROOF AXLE TUBES* make the greatest combination known in Carpet Sweepers.
In our leading High Grade Sweepers these new features exist.

Send for Descriptive Circular.

Bissell Carpet Sweeper Co.,

GRAND RAPIDS, MICH. 103 Chambers St., NEW YORK.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Albert Lea, Minn.—Gritchmaker & Bailey.
Charlotte, N.C.—The Allen Hardware Co.
Colorado Springs, Colo.—The Stark-Lowell Hardware Co.
Detroit, Mich. — The Detroit Carriage Goods Co.
Grayslake, Ill.—Ritta & Son.
Hastings, Minn.—H. F. Emery.
Hillsboro, Texas. — R. C. Neal Hardware Co.
Jonesburg, Ill.—Van Ness & Son.
Lamberton, Minn.—George Doster.
Mitchell, S. D.—William Koch.
Moundridge, Kan.—The Thomas & Goering Hardware Co.
New Lothrop, Mich.— Frank Stewart.
Omenee, N. D.—C. D. Milloy.
Sedan, Minn.—G. J. Vanderpool.
Sidney, N. Y —A. L. Titus.
St. Paul, Minn.—Northern Hardware Co.
Sullivan, Ohio.—Lee Grissinger.
Turners Falls, Mass.—Henry Reinecker.
Watson, Minn.—Erickson & Marklin.
Wyandotte, Mich —William Marx.
Versailles, Ill.—J. T. Wells.

Changes and Removals.

Ashland, Mass.—Finson & Loane, Hardware, have dissolved. Mr. Loane will continue the business.

Atlanta, Ga. — The Fitten - Thompson Hardware Co. intend removing from the old stand on Broad Street to No. 69 White Street. In addition to their already full line of Hardware, they will carry a complete assortment of kitchenware and cooking utensils generally. For twenty-five years they have been a leading house in their line.

Bismarck, N. D.—Hare & Holt, succeeded by Joseph Holt.

Buxton, N. D.—Myhres & Odegard have dissolved.

Caledonia, N. Y.—Walter & Mattison have dissolved partnership by mutual consent.

Champaign, Ill.—C. H. Russell & Co. are enlarging their business and will add a stove department.

Champaign, Ill.—The business of J. W. Shuck has been purchased by Ed. Smith, who will conduct business under the firm name of Saffel & Smith.

Charlotte, N. C.—The stock of the Justice Hardware Co. has been purchased by D. E Allen's Stock Co. The firm has a capital stock of $25,000.

Chester, Pa.—L. N. Wood & Bro. have sold their Hardware business and premises at Fairview to Sweet & Stirling, of Newark, Del. John Wood, one of the brothers, has been in charge of the Fairview place. Purchasers will take full possession on the 15th inst.

Columbus Grove, Ohio.—The Crawford Hardware store has been purchased by F. O. Palmer, who has taken possession.

Dixon, Mo.—The Dixon Hardware Co. are moving into their new building, which is a very convenient structure, and will give them greatly increased facilities.

Eureka, S. D.—John Pietz has added a stock of Hardware.

Forest City, Iowa.—Rue & Haraldson will move stock to Amboy, Minn.

Fruitvale, Cal.—Mr. Auseon, of the Hardware firm of Auseon & Taylor on East Fourteenth Street, has bought out Mr. Taylor's interest in the business.

Genoa Junction, Ill.—L. Huffman has purchased the stock of F. N. Torrence.

Greenwood, Neb.— C. Lemon has purchased the North Side Hardware Store and is now conducting the same.

Hyde Park, Mass.— Charles Lewis has sold out his business to W. E. Smalling on account of ill-health.

Kenyon, Minn.—Sabin & Underhill have been succeeded by Sabin, Underhill & Co.

Lilly Chapel, Ohio.—J. J. Gillivan, succeeded by John W. Fisher.

Magic City, Neb.—A. C. Raymer has decided to remove his Hardware store to Omaha.

Magnolia, Minn.—N. J. North has been succeeded by Kuhn Bros.

North Manchester, Ind. — Groninger & Bussrad have purchased the Hardware stock of S. A. Naftzger.

Ortonville, Minn.—James & Geier have dissolved; Mr. James retiring.

Ovid, Mich.—Thomas & Stanton; succeeded by Robinson Bros.

Paxton, Ill.—C. L. Smith & Co. have purchased the Hardware stock of J. Clapp.

Red Lake Falls, Minn.—Hunt & Wyer have been succeeded by Frank E. Hunt.

Richford, N. Y.—Charles H. Smith has removed his stock of goods from Main Street into rooms in the Swift Block. With commodious quarters he intends increasing his stock of goods.

Rice Lake, Wis.—O. E. Wangnild has been succeeded by Wangnild & Howard.

Roanoke, Va.—Evans Bros. have been succeeded by Evans, Butt & Price.

Springfield, Ohio. — C. L. Routzong is closing out his stock.

Sunbury, Pa.—George W. Hackett has removed his stock of Hardware, etc., to the location formerly occupied by J. B. Reed, where he will be provided with greater conveniences.

Tripoli, Ia. —William Hildebrand; succeeded by Schwem & Schwem.

Tracy, Minn.—Town & Jensen have been succeeded by Tarrud & Haugen.

Trenton, N. J.—Kane & Biddle succeeded by S. S. Kane.

Williamsburg, Pa.—A half interest in the North England Hardware & Implement Co. has been purchased by Thomas Evans, and the firm name will be Evans & Paup; Mr. Mahan retiring.

Windsor, Mass.—George F. Wilbraham is closing out business preparatory to removing to Centreville, R. I.

Winthrop, Me.—Owen Cobb has sold his stock of Hardware to M. Deal, who will continue the business in his own name.

Business Embarrassments

Almonte, Ont.—R. L. Bond has assigned to C. Simpson.

Ft. Myers, Fla.—It is reported that the Gibson Hardware Co. has made an assignment to Mr. Foxworthy, of the firm of Foxworthy & Co.

Galveston, Tex.—The Irwin Hardware Co. have assigned. Liabilities, $24,000; assets, $20,000.

Grand Junction, Colo.—Thomas & Slocomb have assigned to William Campbell. The assets are estimated to be largely in excess of their liabilities, and it is thought they will be able to resume shortly, the amount of stock carried being about $12,000, with an indebtedness of $2000.

Greensburg, Ind.—Thompson & Corbett have assigned to D. S. Perry. Assets and liabilities are unknown.

Groveland, Mass.—J. C. Cobban, doing business under the name of Cobban Bros. has made an assignment to J. Libby, of Everett.

Hartland, Minn.—Sorlie & Lee have assigned to E. W. Knatvoid. Liabilities, $3000; assets not stated.

Paris, Tex.—M. F. Allen, Hickman & Co. assigned. Liabilities and assets are about the same, $40,000.

Washington, D. C.—Patrick Connell, No. 473 Pennsylvania Avenue, has assigned to John J. Dolan. The assets are placed at $2105, and the liabilities at $1315.

Burglaries in Hardware Stores.

Chadron, Neb.—George H. Willis; cutlery, etc., $30.

Elmdale, Kan.—C. H. Klein; knives, razors, revolvers, etc. Amount of loss not stated.

Humberstone, Ont.—R. H. Appleyard; pocket knives, revolvers, etc., $75.

New Castle, Pa.—Smith's Hardware store; revolvers, knives and razors, $150.

New York, N. Y.—C. F. Scholz & Sons, No. 1988 Third Avenue; pocket knives, etc. $90.

Otego, N. Y.—Howard Lines; cutlery, razors, revolvers, etc., $50.

Recent Fires.

Benson, Minn.—Olson & Peterson. Loss, $6500; insurance, $3000.

Elkins, W. Va.—Elkins Hardware & Furniture Co. Loss, $10,000; partly insured.

Ogden, La.—Sturtivant & Son. Loss, $5000; stated to be covered by insurance.

Trenton, Mo. — C. A. Conrad. Loss, $15,000; insurance, $7000.

Tuscola, Ill. — C. W. Parchen. Loss, $5000; insurance not stated.

Union City, Tenn.—Reno & Co. Loss $3000; insurance, $1100.

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It is a Fact

That unless a Refrigerator is built on scientific principles it is nothing short of a stench-box, an ice-waster and a food destroyer. Typhoid and cholera infantum have been known to originate from the so-called "best made" Refrigerators.

Read's "Odorless" Refrigerator

Patented July, 1895, March, 1896.

Is a scientific preserver of food. The air circulation is so perfect that *One Dish Won't Taste of Another, a Great Ice-Saver, Needs No Washing Out.* It is endorsed by Mrs. Sarah Tyson Rorer, Principal of the Philadelphia Cooking School, and by the highest medical authorities.

The Keyser Mfg. Co., Chattanooga, Tenn.
Philadelphia—The Bourse & 324 Market St.
Boston—90 Canal Street.

Send for Illustrated Catalogue.

Write direct to Factory, Chattanooga, Box K

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.

BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

Camp's SUCCESS ANIMAL POKE



The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

THE EXCELSIOR CARPET STRETCHER



and TACK HAMMER. Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.

BICYCLE RIDERS ARE LOST

Without a pair of

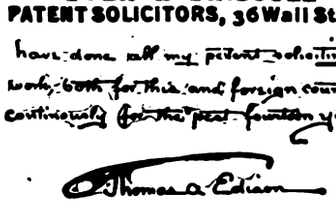


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They give double driving or doublestopping power. 200,000 pair in actual use.

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Did You Get One?

Our handsome new Catalogue telling all about our **Gasoline Fires** and **Hose Goods**, combining also many useful facts and figures gleaned from years of experience, sent for the asking. Be sure to have one. . . . . .

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Manufacturers of the

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BEST FILES AND RASPS IN THE MARKET.

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15 STYLES

LEADERS FOR 1897

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B. & W. Saddles

Absolutely the highest grade on the market. For perfection in design, beauty of finish, quality of material, and comfort in riding they surpass all others.

THE BUTLER & WARD CO.,

NEWARK, N. J., U. S. A.

TRUCKS OF ALL KINDS.

A. ADAMSON
MACHINIST.

Corner Exchange and Water Streets, AKRON, OHIO.

General Machine Work, Molds for Bicycle Tires, Air Goods, Druggists' Sundries, Matrices for Hard Rubber Goods, Die Sinking, Hydraulic Presses, Special Machinery, etc. Estimates cheerfully given. Correspondence solicited. Work promptly done.

Rubber Machinery

The Bicycle Rider Made Happy By Using

THE STODDER PUNCTURELESS TIRE.

Leave your Repair Kit at home.

It is Puncture Proof, Light, Durable Resilient and Speedy. . . .
No Steel Wire. No Leather Strips.

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Bridgeport, Conn —The Union Brass Co. has been incorporated with a capital of $300,000, to acquire the plant of the Aluminum Brass & Bronze Co. of this city. The incorporators are: F. J. Kingsbury, of Waterbury, and W. H. Male and F. Kingsbury Curtis, of New York City.

Cincinnati, Ohio.—J. B. Doan, until recently the manager of the Chicago branch house of the Davis & Egan Machine Tool Co., has purchased the Chicago store and business and will hereafter conduct the establishment under his own name. Mr. Doan has been identified with the iron working machinery trade for about 12 years. Besides the tools manufactured by the above named company he will handle several other makes and a variety of second-hand machine tools.

Fremont, Ohio.—For several weeks past rumors of a new shear factory in this city have been ripe. George F. Behm, of Bloomville, Ohio, was in the city conferring with local capitalists to secure a location for new shear factory. It is claimed that a number of local capitalists have already subscribed $30,000, and that the indications are that a new factory will soon be an assured thing in this place.

Kalamazoo, Mich.—It is understood that the Hatch Cutlery Co.'s plant, now located at Buchanan, will be sold to Kalamazoo parties, who will continue the business under the form of a stock company. Frank Fuller, of Kalamazoo, will probably take the management of the business. H. B. Peck recently went to Buchanan to look the matter over, and it is not at all improbable that a big slice of the stock will be over his signature. H. H. Everard will be interested in the company. Mr. Miller, who for the past two years has been the manager of the business, will also take an interest. The Kalamazoo Cutlery Co. will probably be the name of the new enterprise.

St. Louis, Mo.—Jas. Sweeney and others have incorporated the Jas. Sweeney Copper & Brass Works with a capital stock of $50,000.

Improved Conditions.

Baltimore, Md.—The works of the Maryland Steel Co., at Sparrows Point, Md., will start up all departments, giving employment to over 2000 men. The works have been shut down four years. With all the furnaces in operation, the Maryland company has a capacity of producing 1200 tons of iron daily. The steel rail mill of the company is also being fitted up and will be ready for operation by May. It closed down in 1894. It has a capacity for making 1200 rails per day.

Belvidere, N. J.—The State Board of Taxes has handed down its decision in the disputed assessment of the Oxford Iron & Nail Co. The big plant was assessed for $369,000, and the company wanted it reduced to $170,000. The board finally decided to make the assessment $274,000.

Benwood, W. Va.—The Riverside Iron & Steel Co. will erect a new plate mill.

Canton, Ohio —The Canton Pump Co. has prospects of a busy season. C. M. Miller recently returned from an eastern trip with a number of orders for the product of his plant. As these pumps are furnished to manufacturing establishments, Mr. Miller regards the placing of these orders as an indication of renewed activity in manufacturing lines. The Canton Pump Co. was recently authorized to increase its capital stock from $5000 to $50,000.

Chicago, Ill.—The Vulcan Iron Works, Milwaukee Avenue and Clinton Street, have certified to an increase of capital stock to $350,000.

Cincinnati, Ohio.—The Davis & Egan Machine Tool Co. have just received a large order from Stockholm, Sweden, for some forty machines, amounting to about $22,000; also a large order from Sheriff, Swingley & Co., of Johannesburg, South Africa.

Cincinnati, Ohio. — Fosdick & Plucker, manufacturers of machine tools, at No. 616 Culvert Street, have turned the firm into a corporation under the name of the Fosdick Machine Tool Co., with William T. Fosdick as president and general manager, he having acquired control of the establishment, Mr. George Plucker, the junior partner, retiring from the business.

Detroit, Mich.—J. E. Bolles and F. F. Snow have formed a partnership under the name of the J. E. Bolles Iron & Wire Works, with a factory at Fourth and Porter Streets, and an office in the Peninsular building.

Dickerman's Corners, Conn.—A Hartford manufacturer is negotiating with Mrs. E. J. Smith, of Hartford, for the purchase of the Brand factory at this place, formerly occupied by the Ellrich Hardware Co. The factory is supplied with good water power and well situated for manufacturing business.

Lebanon, Pa.—The Pennsylvania Bolt & Nut Co. intend erecting a large addition to their plant at once.

Nashville, Tenn.—F. E. Myers & Co. Ashland, Ohio, have made an application for space at the "Tennessee Centennial," and propose to reproduce their renowned World's Fair exhibit and their "old man and agent" caricature, mounted on a pedestal and run by an electric motor. A display of a full line of their goods will cover a space of about 500 square feet. Their general agent, A. P. Church, will be in charge.

East Douglas, Mass.—Parties are negotiating for land near the railroad depot, for the purpose of building an axe factory in town. There have been many rumors regarding new axe works of late, and there appears to be some foundation for the talk, although nothing definite can be learned as yet.

Erie, Pa.—The Lovell Mfg. Co. will make an addition to its plant.

Holyoke, Mass.—The Seymour Cutlery Co is considering the building of a new mill and it may locate in Willimansett. The company is managed by S. R. Whiting, and more room is needed for the business that is being done by the concern, and there is a large rental to pay to the water-power company. The company has been offered several sites on which it could build.

Pawtucket, R. I.—Considerable new machinery has been put into the American File Co.'s works on Dexter Street. It is the intention of the management to put in a boiler in a short time.

Pittsburg, Pa.—The National Tin Plate Co., of Anderson, will at once erect an additional mill at this place. The present freight rate makes it impossible for Western tin plate manufacturers to compete in eastern markets with eastern manufacturers. This will give them an eastern and western source of supplies. They will expend $200,000 in building the new plant. About 500 men will be employed.

Wheeling, W. Va.—The La Belle Iron Works contemplate the erection of a new tin plate mill to employ 200 men.

Recent Embarrassments.

New York, N. Y.—Justice Smyth of the Supreme Court, recently appointed John C. Chamberlain ancillary receiver for the Ives & Williams Co., manufacturers of toys and novelties, at No. 682 Broadway, this city, and Bridgeport, Conn., in proceedings for a voluntary dissolution of the corporation. The liabilities are reported to be about $23,000. Mr. Chamberlain was previously appointed receiver for the company in Bridgeport.

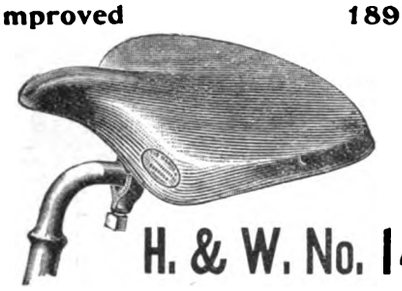
St. Paul, Minn.—The St. Paul Plow Co. has made an assignment. The company was principally owned by William Dawson and its assignment was a foregone conclusion. The assignee is Charles M. Power, and the deed of assignment is signed by Samuel E. Dawson, vice-president, and F. R. Flanagan, secretary. Mr. Dawson makes affidavit that the assets of the company are not worth to exceed $100,000, and the assignee's bond for $200,000, signed by the National Surety Co., was approved by Judge Brill. The liabilities of the company are unknown at present. In the statement of William Dawson, published in the *Pioneer Press* some weeks ago, he said that he was indorser on $300,000 worth of the company's paper.

Recent Fires.

Middletown, Conn.—The plant of the W. H. Chapman Co., manufacturers of saddlery Hardware, at South Farms, was destroyed recently, causing a loss of $50,000; insurance, $30,000.

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The Improved For 1897



H. & W. No. 14

Hinge Spring

COMMON SENSE SADDLE.

The most comfortable Saddle on the market.

7

Different Styles.

MANUFACTURED BY

The Harden Saddle & Specialty Co.,

TOLEDO, OHIO.

Write for Catalogue and prices.



EAGLE

Bicycle Pump



MADE WELL!
SELLS WELL!
WEARS WELL!

Fills Tires Quicker Than Any Other Pump.

Connecting nipples all accurately threaded, and will fit all the well-known tires.

Write for Trade Prices Special Inducements to the Jobbing Trade.

Henry Haas & Son,

551-553 West 35th St., NEW YORK.

JOB LOTS OF HARDWARE

I buy and sell in any quantity complete lines of HARDWARE. MANUFACTURERS having JOB LOTS will find me a ready purchaser. RETAIL DEALERS will find my prices lower than any house in the business. . . .

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Hastings & De Baun,

HARDWARE MANUFACTURERS' AGENTS,

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NEW YORK OFFICE OF

THE PHOENIX HARDWARE MFG. CO.
MASON & PARKER. J. B. TATEM & SON.
THE BARNES TOOL CO. E. LOUD MFG. CO.

A LEADING London commission house, viz.: G GREINER & Co., Nos. 10-12 Milton Street, London, E. C., traveling over the whole of Great Britain and Ireland, and having also important connections in the British Colonies and dependencies, is desirous of making arrangements for the efficient representation of first-class American manufacturers, and any communications addressed to ERNEST GREINER, care of Messrs. Herman Behr & Co., No. 75 Beekman Street, New York, will receive his immediate attention.

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M Design.

means the Locks, Knobs and Hinges on your doors. People are selecting this door furniture with great care now-a-days, and the choice of those who want the best falls on the goods made by Sargent & Co., of New Haven, Conn., and New York. First-class Locks and handsome trimmings are made by this firm, including the famous Sargent's Easy Spring Locks, giving an easy shutting latch and a firm action to the Knob.



A Great Seller!

At a Good Profit.

Pike's Quick Edge Pocket Knife Hones, in display box, a practical sharpener for knives and scissors.

Send for Prices.

Scythe Stones, Oil Stones, Razor Hones, Etc.

THE PIKE MFG. CO.,
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REMEMBER THAT

DIAMOND CHAINS

Are fitted with the ONLY PRACTICAL HARDENED RIVET MADE and don't fail to specify them when ordering wheels. . . . .

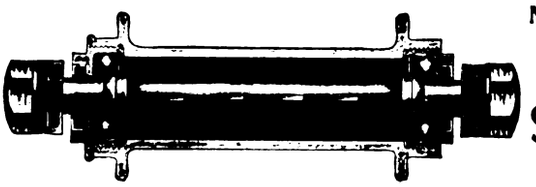


INDIANAPOLIS CHAIN & STAMPING CO.

INDIANAPOLIS, IND.

R. B. McMULLEN & CO., Chicago and New York, General U. S. Sales Agents.
New York Depot, J. S. Leng's Son & Co., 4 Fletcher Street.
Boston Depot, Very Cycle Co., 245 Columbus Avenue.
Pacific Coast Depot, Western Rubber Co., 14 Fremont Street, San Francisco.

SIMPLE SOLID SENSIBLE TIGER Bicycles.



No Castings! No Freaks! No Nonsense!

THREE GRADES,

$100, $75, $60.

Send for Art Catalogue M.

STODDARD MFG. CO., Dayton, Ohio.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Atlanta, Ga.—It is reported that Mrs. Julia Isbel and Mrs. De Hart have invented a punctureless rubber tire for bicycles and will engage in the manufacture of same. It is stated that the Gregory Bicycle Mfg. Co. will be organized to establish the plant.

Bayfield, Wis.—A. L. Helwig and George H. Quayle open a new store.

Beardstown, Ill.—F. Seager. New store.

Belle Center, Ohio.—H. J. Mack and O. L. Harrod have opened new store and repair shop in the Ellis Building.

Buffalo, Minn.—McGaffey & Ellis, bicycles, sporting goods, etc., have commenced business.

Carlinville, Ill.—George W. Barnett. New store.

Chicago, Ill. — The Firestone Victor Rubber Tire Co. has been incorporated by Fred K. Gustin and others to manufacture rubber tires and wheels. Capital stock, $5,000.

Chicago, Ill.—Western Wheelmen's Protective Co. has been incorporated by E. G. Gardiner, G. Schore and J. A. Riley; to recover stolen bicycles. Capital, $2500.

Chicopee, Mass.—Dexter Ladd has taken the agency for the new wooden frame bicycle, which was invented and patented by D. Stebbins, of Springfield.

Clifton Forge, Va.—Pendleton Bros. will add bicycles to their regular business.

Clinton, Mich.—G. M. Hammond and G. W. Green, Jr., open a new store.

Corning, Cal. — The Mt. Shasta Cycle Works, Chicago, have established a branch factory in this city with J. C. W. Wright as manager.

Dalton, Mass.—George Browning, harness maker, in the Dalton block, will add a line of wheels. A repair shop will also be conducted by him.

Dublin, Iowa.—F. F. Scarborough, sporting goods, has opened a new store.

East Orange, N. J.—The More Bicycle Co. has been incorporated by Homer M. More and others, to conduct a general bicycle business. Capital stock, $2000.

Gardiner, Mass.—Cody & Tinpany have opened salesroom.

Great Barrington, Mass.—Harry Andrews and Edward Oaks have opened a new store, and will rent, repair and clean bicycles.

Hartwell, Ga.—W. P. Carter. New store.

Lake Linden, Mich.—H. Weider has established a bicycle factory.

Madison, Wis.—Taylor & Berg will add bicycles to their regular stock.

Meriden, Conn.—F. L. Buell & W. F. Kennedy will open a store, Room 9, Wilcox Block.

Middletown, Conn. — The Mills Bicycle Bell Factory stockholders held a meeting recently, and elected the following directors: Wallace K. Bacon, Lyman D. Mills, W. S. Wetherbee, Conrad G. Bacon and Norman T. Mills. The capital stock is $8000.

Milwaukee, Wis.—The Milwaukee Engineering Co. are manufacturing bicycles for the jobbing trade. Their factory, which is at Nineteenth Street and St. Paul Avenue, is equipped for the production of 10,000 wheels annually.

Milwaukee, Wis.—The Sphere Mfg. Co. has been incorporated by W. H. Boetcher and others, to manufacture bicycles and unicycles. Capital stock, $100,000.

Nevada, Mo.—R. B. Taylor, sporting goods, will open a new store this month.

New York, N. Y.—The Frost Gear Case Co. has been incorporated by Warren H. Frost and others to manufacture gear cases etc. Capital stock, $60,000.

New York, N. Y.—The Pederson Cycle Co. opens new store at No. 292 Eighth Avenue.

Niles, Mich. — The Matthews Bicycle Works have just opened an estsblishment at this place.

Northampton, Mass.—Lewis Warner has opened new store for his bicycle business in the Todd Block.

Norwich, Conn.—The Cadden Cycle Co. have opened new store at No. 31 Broadway.

Philadelphia, Pa.—Janney & Steinmetz, bicycle tubing and bicycle parts, have opened salesroom and branch office at No. 1015 Arch Street.

Philadelphia, Pa. — Moreau Lieber has opened a bicycle department at Nos. 1213 and 1215 Market Street.

Pottsville, Pa.—Francis Crone, who for some time past has been manufacturing bicycles in a limited way, has leased the three story building on Third and Norwegian Streets, and will fit it up with the necessary machinery for largely increasing his product.

Rutland, Vt.—The Coolidge Cycle Co. will open new store on Centre Street.

Salisbury, N. C.—Gregg & Co., Hardware, sporting goods, bicycles, etc., have opened new store.

San Marcos, Tex.—The San Marcos Mercantile Co. has been incorporated to deal in bicycles and all lines of Hardware and plumbers' supplies.

South Royalston, Mass. — Harry Beals has taken the agency for the "Rambler" bicycle.

Springfield, Mass.—Elisha Knowles has opened a new store at No. 280 Main Street.

St. Albans, Vt.—J. V. Montefiore will erect new building on North Main Street, and open a bicycle livery this summer.

St. Joseph, Mo.—The Wyeth Hardware & Mfg. Co. have opened a new retail department at Nos. 105 and 107 South Third Street.

Wallingford, Conn.—R. E. Badger & Co. New store in Fahey's Building.

Washington, D. C.—The Tiger Cycle Co. has been incorporated by John S. Beach, local agent, and Aaron W. Fitzer, president, to buy, sell and repair bicycles. Capital stock, $50,000.

Westfield, Mass. — L. L. Fowler opens new store.

Worcester, Mass.—The Lemont & Whittemore Cycle Co. have opened a new store at Nos. 663 and 665 Main Street.

York, Pa.—E. A. Sultner opens a new store at No. 306 West Market Street.

Changes and Improvements.

Delavan, Wis.—F. A. Parrish, sporting goods, reported to have been succeeded by C. A. Clark.

Dubuque, Iowa.—Herancourt & Whelan reported to have dissolved.

Griggsville, Ill. — Ludlow & Ferrand, sporting goods, etc., have dissolved. F. H. Ferrand will continue the business at the old stand.

Houston, Tex.—Roy Spore, bicycle supplies, etc., reported sold to Grant & Pearl.

Lyons, Ind.—R. S. O'Haver, sporting goods, etc., has been succeeded by O'Haver & Bailey.

San Diego, Cal.—G. W. Burns, formerly of the Coronado Cyclery, and E. A. Miller have established a new cyclery.

Stamford, Conn. — C. Ford Seeley reported to have been succeeded by Seeley & Adams.

Recent Embarrassments.

Des Moines, Iowa.—Perkins & Perkins, failed. Liabilities, $13,000; assets about three times that amount, principally real estate.

Little Falls, N. Y.—Homer P. Snyder, successor to Snyder & Fisher, bicycle manufacturers of this city, has made a general assignment to Olin W. Timmerman for the benefit of his creditors. This action was precipitated by the failure of a house in Boston and two other dealers. The liabilities and assets are unknown. The general belief is that a final settlement will be promptly made and business resumed in ten days. One hundred and twenty-five men were employed.

Washington, Ohio.— Portsmouth Wheel Co. made an assignment. The liabilities are about $35,000, with assets about the same.

Recent Fires.

Reading, Pa.—A fire in the plant of the Acme Bicycle Works did damage to the extent of $75,000, on which there is an insurance of $50,000. The firm employed nearly 450 hands, divided into night and day forces. The fire was discovered in the enameling department, which contained coloring fluids and other combustible materials. The machinery in the plant cost $50,000, the buildings $75,000, and there was $125,000 worth of material on hand. Some of this was damaged. The firm was turning out 200 wheels every twenty-four hours. An examination showed that very little injury was done to the engines and electric motors and some machinery in the plant. An immediate contract was awarded for the reconstruction of the main building, and the works will be resumed in every department not affected by the fire.

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"Just hear dem bells,
Deys ringing everywhere.'

"Send for Art Catalogue."

NEW DEPARTURE BICYCLE BELLS.

Widest Range of Styles and Prices.

THE NEW DEPARTURE BELL CO.,
BRISTOL, CONN.

JOHN H. GRAHAM & CO., Selling Agents,
118 Chambers St., New York, N. Y

STERLING BELLS.



One Best THE Sterling.

Bells of all Description.
Send for Catalogue.

N. N. HILL BRASS CO.,
East Hampton, Conn.

Bells.



The belle of the ball on her escort leaned,
And so very happy the dear girl seemed,
That he took her aside to a cozy retreat
And told her the story that's always so sweet.



She perked up her lips, so enticing and fair,
And his own were reaching the heaven that's there,
When she said, "Dear boy, this is only a sell.
You'll first have to buy me that 'Climax' bell."

The new 1897 model "CLIMAX" Bell possesses without doubt the most improved Lock Clamp known. Can be adjusted to the Handle Bar quickly without removing the screw, thus saving all vexatious worriment in the operation, and at the same time presents a more attractive appearance than any other kind of an attachment.

We have just published a handsome little booklet to be carried in the vest pocket, containing lots of valuable information for the benefit of wheelmen. Send us a two-cent stamp and we will mail you a copy.

Climax Bell Co., 403 Washington St., Boston, Mass.

BICYCLES FOR Hardware Trade.

High Grade and Low Priced Wheels.
MEN'S, LADIES' and JUVENILES.

NEW MAIL, Highest Grade, $85.

Featherstone and other lines, Medium Priced Wheels, offered as the

Best Lines in Market for 1897.

Surely get our quotations before placing your orders. Save you money!

Wm. Read & Sons, 107 WASHINGTON ST., BOSTON, MASS.

ESTABLISHED 1826.

If you have a class of trade to whom you must supply the **FINEST** remember with us . . .

Good Is Not Sufficient. It must be
Better than that. The
Best Only Suffices.

ARIEL CYCLES

BEST material obtainable. BEST methods of construction.
BEST class of workmanship. BEST finish in the world.
BEST equipment. BEST prices, quality considered.

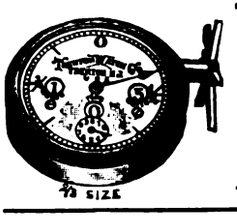
Others may say the same thing, but are they so apparent as in

America's Best Wheel,
The **ARIEL**

Write for Terms and Catalogue

ARIEL CYCLE MFG. CO.,
Goshen, Ind.

[Please mention "HARDWARE"]



½ SIZE

TRENTON CYCLOMETERS

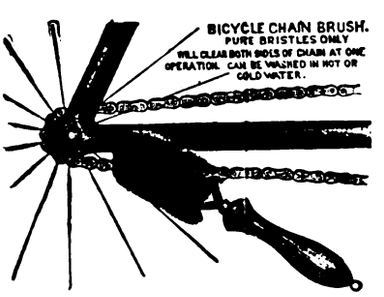
Give better satisfaction in actual service than any other on the market. They are light, accurate and durable. Various models and prices; suit all requirements.

TRENTON CHRONOGRAPHS

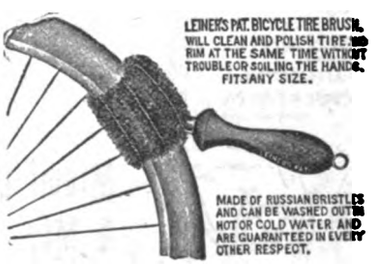
or race timers are unequalled for the price. They give an instantaneous record down to 1-5 of a second, start, stop, and flyback working from the pendant. Ask your dealer for them. Price, $12.50.



TRENTON WATCH CO., Trenton, N. J.



PRICE 15 CENTS.



PRICE 25 CENTS.

—Sent by mail upon receipt of price.—

Hall & Downing,
82 West Broadway,
NEW YORK.

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To Bicycle Riders.

WE MAKE OUR TUBE
OF FIFTY CARBON STEEL

Because a Tube like this of our .50% CARBON STEEL is just as strong as a Tube like this of .25% CARBON STEEL

While weight for weight in a Bicycle our FIFTY CARBON Steel will last so long [redacted]

and TWENTY-FIVE CARBON Steel will last only so long [redacted]

NOTE THE FULL IMPORT OF THE PARALLEL LINES.

The comparison which they graphically make indicates the result of the prolonged investigations of the most practical experts of the world.

That the tests in our own laboratory corroborate these results is merely so much to its credit; that the same is true of actual trial on the road equally proves the trial to have been made in bicycles of correct design and construction. THE FACT REMAINS.

The margin of safety is greatly increased by the use of this tube. Every bicycle manufacturer should use it; every dealer should insist on having it; every rider should demand it. Send for catalogue.

THE POPE TUBE CO., Hartford, Conn.

BICYCLES

. . . Manufactured by

Ames Mfg. Co.

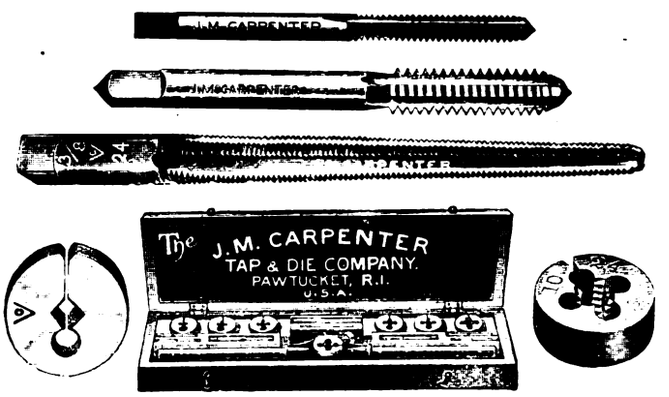
HIGH AND MEDIUM GRADES,

$100, $85, $75, $60.

Send for Catalogue.

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AMES MFG. CO., Chicopee, Mass.

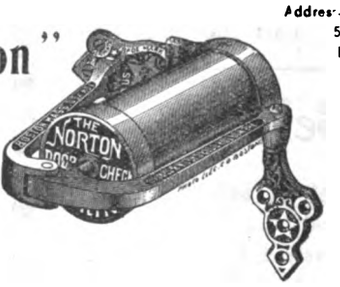


Send for our CATALOGUE No. 11 B, describing

SCREW CUTTING TOOLS FOR

BICYCLE REPAIR WORK.

THE "Norton"



An Air Check.

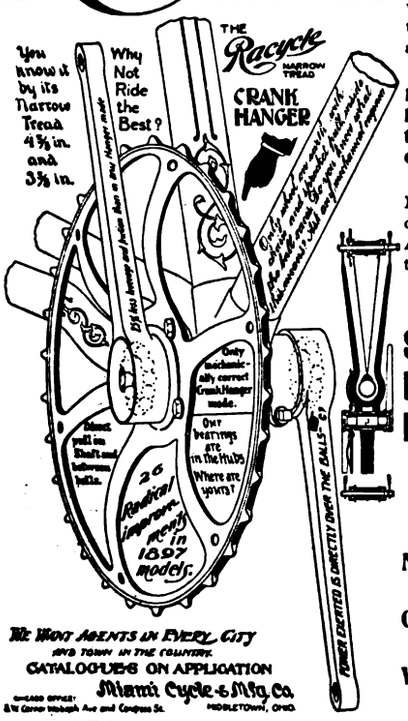
A Good Seller.

DOOR-CHECK and Spring.

WRITE FOR PRICES.

Address 505 SEARS BUILDING, BOSTON, MASS.

THE Racycle NARROW TREAD



We Want Agents in Every City and Town in the Country.

CATALOGUES ON APPLICATION

Miami Cycle & Mfg. Co.

CHICAGO OFFICE: 344 Wabash Ave and Congress St. MIDDLETOWN, OHIO.

$1000.00 IN CASH

Will be paid to the first one who can demonstrate that the following assertion is not a fact:

The Racycle Crank Hanger has from 20 to 30 per cent. less pressure on its bearings than the Crank Hanger of any other Bicycle on the market.

All infringements barred. No bicycle considered without the consent of the maker. Address all communications to RACYCLE, Middletown, O.

Special Racycles, $100
Racycles, - $75
Bicycles, - - $50

SEND FOR CATALOGUE.

New York Agency, 108 Fulton St.
Chicago Agency, 323 Wabash Ave.
Wash., D. C., Agency, Thomas Circle.





Miami Cycle & Mfg. Co., Middletown, Ohio.

"ONE OF THE BEST MEDIUMS."

Lane Bros., Poughkeepsie, N.Y. [*Hardware Specialties*]: One thing we know—we get the trade, and have good reason to believe that HARDWARE has in the past been one of the best mediums for our large trade and the popularity of the Lane goods.

"THE MOST HELPFUL AID."

Pike Mfg. Co., Pike Station, N. H. [*Whetstones, Oil Stones, etc.*]: We like to keep our name and our wares before the public in a modest way. We have found HARDWARE the most helpful aid toward accomplishing that purpose.

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Do you sell Bicycles?

Are you making money?

Are you in business **"Just for fun?"**

Are you only "holding your own?"

Don't you want to **advance?**

Why don't you sell a bicycle
that the public know is all **right?**

Monarch and Defiance **Bicycles**
are supremely good **and the** public know it.

Agents, build your **success with a**
bicycle that has a **good reputation.**








Monarch Cycle Mfg. Co.,

Lake, Halsted and Fulton Sts.,

CHICAGO.

83 READE STREET, NEW YORK.

149 OXFORD STREET, LONDON.

SMITH, PATTERSON & CO.,

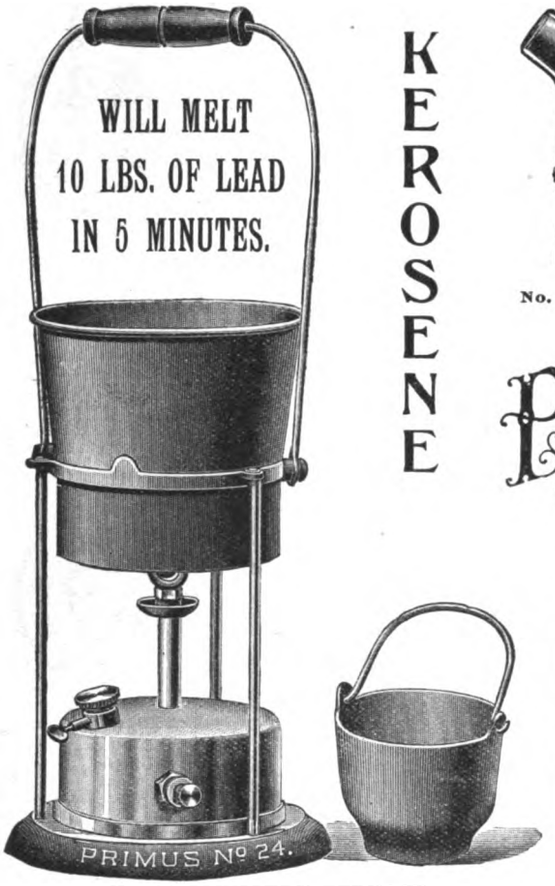
52 Summer St., Boston, Mass.

Sole distributing agents for New England States except Connecticut.





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No. 24 PLUMBERS' FURNACE.

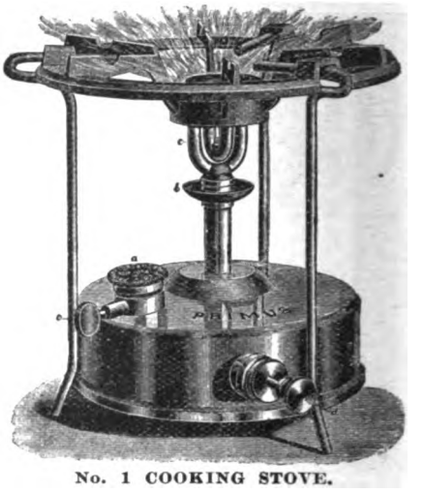
KEROSENE



No. 40 BLOW TORCH.

PRIMUS

KEROSENE



No. 1 COOKING STOVE.

Positively Non-Explosive.

Burns any grade KEROSENE, without a wick, with a clear Blue Flame.

Positively No Odor, No Smoke, No Soot.

THE MOST ECONOMICAL.

One Quart Kerosene **Lasts Five Hours--Less than one-half Cent per Hour.**

THE MOST POWERFUL.

The No. 1 Cooking Stove will Boil 1 Quart of Water in 4 Minutes.

Flame can be Regulated.

Primus Cooking and Heating Apparatus Co.,

197 Fulton Street, New York.

Manufacturers of the PRIMUS
Write for Descriptive Circulars and Prices.

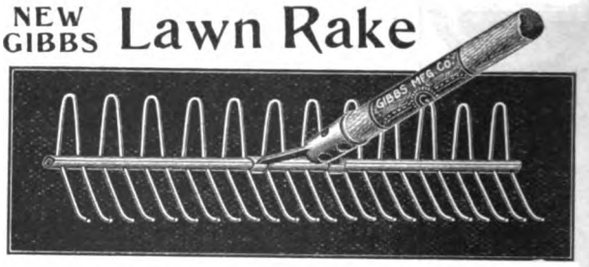
Cooking Stoves, Plumbers' and Tinners' Furnaces, Giant Heating Apparatus, Painters' and Braziers' Torches, etc.



The Strongest, Lightest and Finest Looking Rake ever produced.

COATED WITH PURE BLOCK TIN.

NEW GIBBS Lawn Rake



(PATENTED). (COPYRIGHTED).

The steel head in the **GIBBS RAKE** is in the form of an egg-shaped tube, with the greatest width in the line of strain—the stiffest form possible. . . . . .

No opening in front or back of head in which to collect dirt. Note the shape of the teeth—they run smooth and won't dig into the sod. . . . . .

OUR LINE includes the much imitated **"HUSTLER"** and **"REGULATOR"** Lawn Rakes with **U**-shaped Heads, but the **"NEW GIBBS"** is largely being bought in preference to these patterns. They cost no more, and will please your customers better. The Model Lawn Rake, with Wood Head and Coppered Steel Wire teeth, is a good seller—Price low. . . . . .

"Model" Lawn Rake

(PATENTED).



Your trade will soon be calling for

POST HOLE DIGGERS.

To be sure you want **THE BEST.** Our assortment is quite large and have an established reputation. The Double Blade Diggers have special patented features possessed by no other.

SEND FOR '97 PRICES.

John H. Graham & Co., Sales Agents, 113 Chambers St., New York.

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CHARLES WEILAND,

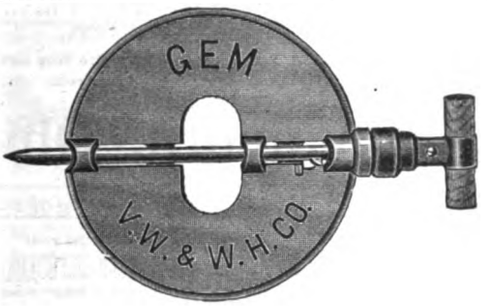
149 CHAMBERS ST., NEW YORK.

Job Lots and Auction Goods Received Daily.

I SELL goods cheaper than any other house in the world, in all departments. I have done some phenomenal price cutting in my history, but prices in this supplement will be lower than any of my previous offerings.

All goods offered subject to prior sale, terms net cash. I have a full line of steel garden tools, garden sets, lawn mowers and other seasonable goods. Have special drives in each department. Send along your order from this advertisement, will guarantee all goods satisfactory. I print a large catalogue offering a full line of tools, cutlery, house-furnishing goods, etc.

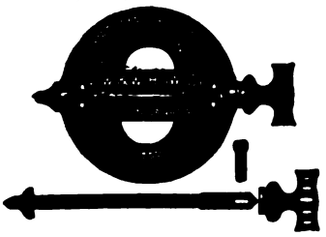
GEM JAPANNED HANDLE DAMPERS.—All First Quality.



Sizes, 5½, 5¾, 6 and 7 in. Price, 27c., 28c., 30c. and 40c. a doz. As per cut. These goods are worth double Regular.

NICKELED HANDLE GEM DAMPERS.

Sizes, 5½, 5¾, and 6 in. Price, 35c., 37c. and 40c per dozen.



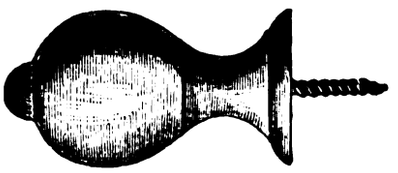
JOB LOT STOVE PIPE DAMPERS.

First quality, Excelsior, as per cut.

Sizes,	5	6	7 inches.
Price,	25c.	30c.	35c. per doz.

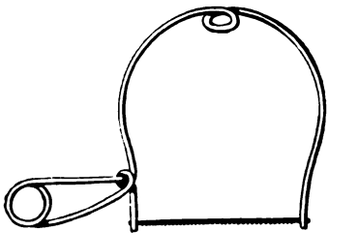
POLISHED WOOD AND RUBBER TIPPED DOOR STOPS.

ALL KINDS.



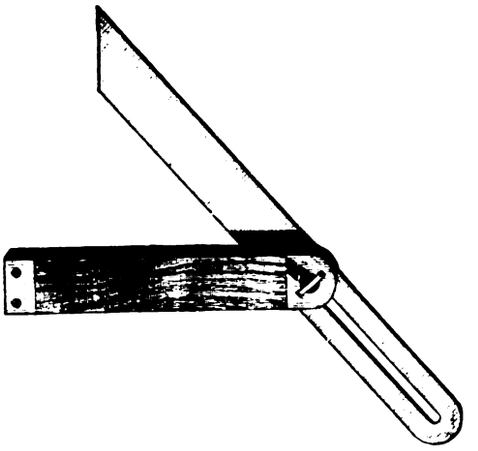
First Quality. Size, 2½ and 3 inches. Price, $1.00 per gross

SCROLL SAWS WITH BLADES.



Price 25 cents per dozen. In 10 gross lots $2.50 per gross.

JOB LOT STEEL SLIDING T BEVELS.—Firsts.



First Quality, Flush Rosewood Handles.

½ dozen in a box.

Size,	6	8	10	12	14 inch.
Price,	$ .90	$1.20	$1.40	$1.60	$1.90 per dozen.

Purchased by chance 100 New Gents' Victor Bicycles, 28 Inch.

Black Enamel Finish, Nickel Plated Spokes.

QUALITY AS WELL AS NAME.



$40.00 EACH.

RIDE WITH CONFIDENCE.

The entire wheel, also the tires, are guaranteed for one year by the Overman Wheel Co., who are the makers of Victor Bicycles. These Bicycles are strictly High Grade; they are equipped with their own high quality tires, single tube, complete with repair kit for repairing punctures. The other parts of the wheel are '96 and their former styles. The material used in the construction of same is of the very best the market affords and the best English steel tubing. The Victor Bicycle has a world wide reputation, and the name Victor is on each wheel. The Overman Wheel Co. are one of the oldest makers of bicycles in the United States. The '97 Victors are worth $100 each and no less. I have Gents' Wheels only. The price on these wheels, as long as they last, is $40 each. If you wish any, order at once. First come, first served. All goods offered subject to prior sale.

CHARLES WEILAND, 149 Chambers St. New York.

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A REVOLUTION IN LEATHER WORK!

A New Money-Maker for Hardware Dealers and Country Storekeepers.

Root's "Simplicity" Harness Goods, all made without a stitch of sewing from first-class oak-tanned leather have brought about the above result. Better in every respect than sewing, and ever so much cheaper. Just think of a first-class Hame Strap at 75 cents per dozen, and other goods in proportion. Your address will bring the rest of the story. See cuts of a few specimens below. . .



ROOT'S "SIMPLICITY" DOUBLE LINES.

Best in the world, and can be retailed at half usual harness makers' price at a profit.



Portion of "Simplicity" Hitching Strap.





"SIMPLICITY" HAME STRAP and ATTACHMENT.

75 cents per dozen. Usually retailed at 15 cents each.





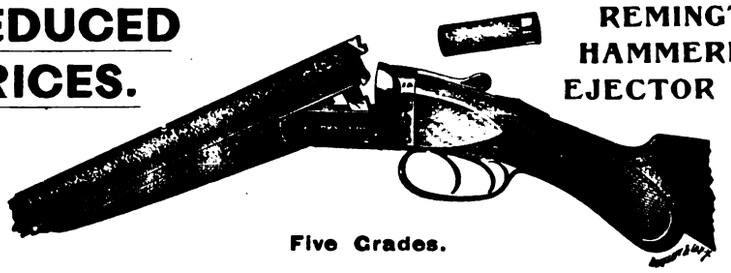
"SIMPLICITY" 5-RINGED HALTER.

You can sell 'em like hot cakes at 50 cents each.

The Root Bros. Co., - Plymouth, Ohio.

SEND FOR CATALOGUE.

REDUCED PRICES.



REMINGTON HAMMERLESS EJECTOR GUNS.

Five Grades.

Remington Arms Co.,

ILION, N. Y. 313-315 Broadway, New York.

SAN FRANCISCO, 425-427 MARKET STREET.

BIG PAY! TAKE AN AGENCY FOR THE Royal Polished Steel Roaster and Baking Pan. BEST MADE!



Self-Basting. Saves 20 per cent. that passes off in steam when roasted in an ordinary pan. *Made of polished steel,* in 7 sizes, including *inside pans* and *grate bars* in all sizes. *Bakes finest bread.* For terms, address THE ROYAL POLISHED STEEL ROASTER CO., Troy, O., U. S. A.

—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

——Orders Solicited.——

Prices and terms quoted promptly on application.

Ames Sword Co., Chicopee, Mass.

—— OUR SPECIALTIES: ——

PERFECTION PADLOCKS,

All Sizes, 1-2 inch to 2 1-2 inches.

PROTECTOR REVOLVERS,

The Greatest Novelty of the Age.

Compressed Seam Fork Sides and Handle Bars.

CORRESPONDENCE SOLICITED.



THE "PHENIX" HANGER

SOLVES THE PROBLEM

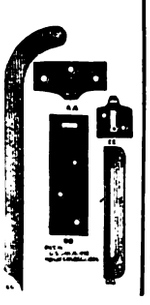
How to Hang Entire Screens and Storm Windows.

It's the "Housewife's Joy" for clean windows, Ideal Ventilation, No Flies, Solid Comfort. SCREENS are hung or removed with ease from inside at any time, by any person. Sold by all principal Hardware dealers.

For descriptive Circular, price list and trade discounts, address

Phenix Manufacturing Co.,

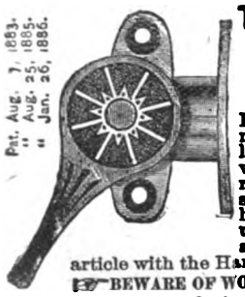
278 Third Street, MILWAUKEE, WIS.



"An Excellent Medium for Advertising."

Peerless Mfg. Co., Cleveland, Ohio. [*Bicycles*]: There is no question but that the Hardware trade is becoming a very large factor in the bicycle line. The two lines can be handled nicely together and, as a rule, a Hardware dealer has sufficient capital to add a cycle department, without danger of doing injury to his regular line. While again, few concerns have more visitors to their stores than the average Hardwareman, and this alone is a standing and effective advertisement for the bicycle that he may carry. We can see no reason why HARDWARE should not be an excellent medium for advertising.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

KNIVES, FORKS, SPOONS,

Bicycle Pedals, Nut Cracks, Picks in Solid Nevada Silver or Nickel, or Plated on Steel, and Gold Aluminum Ware, Peppers, Salts and Napkin Rings, Tin Plated Goods. . . . . AT LOWEST PRICES.



Samples, 25c.

SEND FOR SPECIAL DISCOUNTS.

THE UPSON & HART CO.,
UNIONVILLE, CONN.



ELECTION OVER BUSINESS BOOMING.

A WARNING:

Send in your orders at once for the . . . . . ROGERS BRAND SILVER PLATED WARE.

We'll take them as they come — first come, first served—and we'd advise you to be one of the first.

New, smart designs now ready in this

Unrivaled Brand of Silver Plated Ware.

MADE ONLY BY US.

FACTORIES:
Hartford, Conn.
Norwich, Conn.
Wallingford, Conn.
Taunton, Mass.

WM. ROGERS MFG. CO.,

Market Street, - - HARTFORD, CONN.

BEST OF THE BEST in SPOONS and FORKS

is made by

HOLMES & EDWARDS

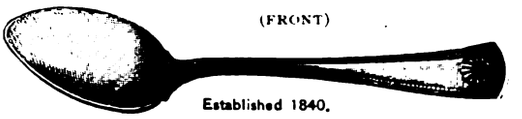
Silver Plated. Solid Metal.

Send for Circulars.

The Holmes & Edwards Silver Co. Bridgeport, Conn.
New York Salesroom. 2 Maiden Lane.

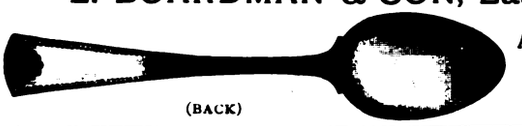
Highest Grade of **Silver Plated Ware** In Spoons, Forks, Etc.

Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.

Write for Catalogue and Prices.

CORPORATE MARK,



JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States.

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of the following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.

"WE ARE RECEIVING GOOD RESULTS."

Clayton & Lambert Mfg. Co., Ypsilanti, Mich. [*Gasoline Fire Pots and Paint Burners*] We are receiving good results from the advertisement which is running in your paper, and believe the service which you are giving us, is extra good. We trust that our relationship for the coming year will be as pleasant and profitable as have those of the past, and feel very confident that it will.

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CUTLERY

TABLE KNIVES and FORKS,
CARVERS and BUTCHERS,
SHOE, CHEESE, KITCHEN
BREAD, PUTTY, KNIVES, &c.

IN GREAT VARIETY.



Our Cutlery business has increased . . . .

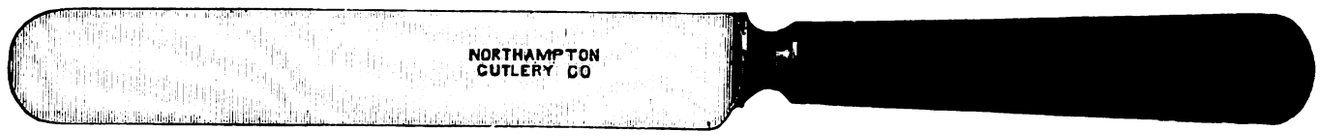
Twenty-three Hundred per Cent.

. . . . *In twenty years.*

Incomparable Merit, Equitable Prices, Fair Dealing
DID IT.
THE BEST JOBBING TRADE HANDLE OUR LINES.

GOODELL COMPANY,
Antrim, N. H.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom
96-98 Reade Street.

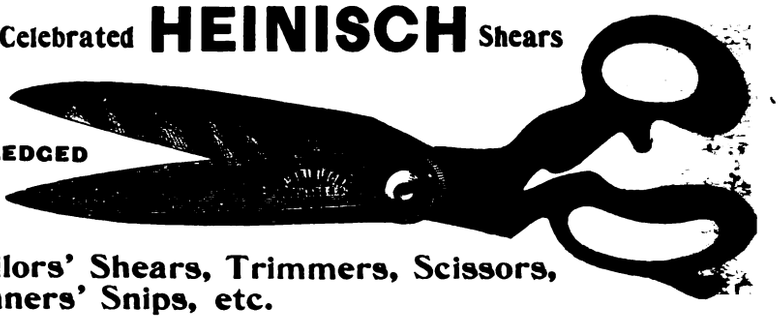
THE GEO. W. STANLEY CO.,

BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails,
Double-Pointed Tacks and Staples.

72 YEARS. ESTABLISHED 1825. 72 YEARS.

Celebrated **HEINISCH** Shears

ACKNOWLEDGED THE BEST



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

New York Office: **R. HEINISCH'S SONS CO.,**
90 Chambers Street. NEWARK, N. J.

"Replies From All Sections."

McIntosh-Huntington Co., Cleveland, Ohio. [*General Hardware and Bicycles*]: As an advertising medium, we have recently had occasion to test HARDWARE in a manner that would give us some idea as to how successful it can be used. Our advertisement did not occupy a very prominent position, but was of a character to excite the cupidity of the reader. We found that within two days after your paper came out, we commenced to receive replies from all sections of the country to the advertisement. This would seem to be sufficient proof that yours is a good medium.

FRANK W. GILBERT, Prest. O. C. EDWARDS, Treas.

Crescent Emery Mills Co.

MANUFACTURERS OF

EMERY & ABRASIVE MATERIALS.

EMERY WHEELS.
GRINDING MACHINERY.

OSCAWANA, N. Y.

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CATALOGUE FREE



GET OUR REDUCED PRICES



WELL TANK & SPRAY PUMPS

HAY CARRIERS, FORKS, PULLEYS &C.



F. E. MYERS & BRO.

ASHLAND, OHIO.



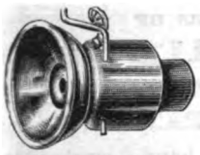
RESERVOIR PUNCH

For Euchre and Whist Parties.

This Pocket catches the pieces punched from Tally Cards, thus preventing a littering of the carpet.
Is hinged, can be opened, emptied and closed in an instant.
Of great value to Railroads as it prevents the replacing of pieces punched out of monthly or commutation tickets.
Also valuable in Restaurants where punch tickets are used.

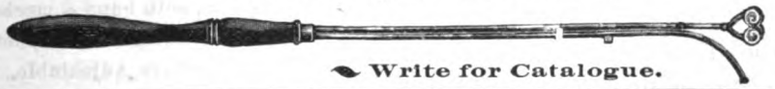
PATENT APPLIED FOR.

F. J. MATTISON, PATENTEE,
50 Warren Street, N. Y., U. S. A.



OWEN WALSH, 117 Walker Street, New York City.

Speaking Tube Materials,
Gas Taper Torches.



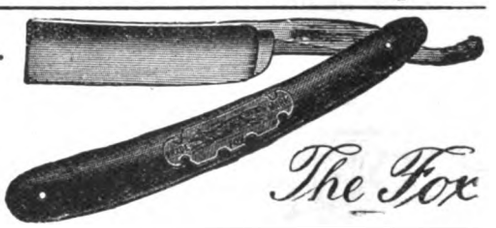
Write for Catalogue.

Fox Cutlery Co., 92 Reade St., New York City.

Manufacturers of the well-known . . . .

FOX RAZORS.

If your jobber does not keep them write to us. Our samples and prices will interest you.



The Fox

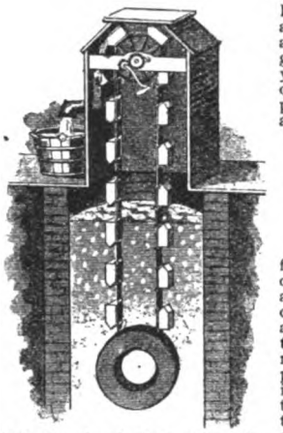


FAMILY, CONFECTIONERY, HANGING & POSTAL =NOVELTIES, ETC.= SCALES

GILFILLAN SCALE & HARDWARE Co 133-139 S. CLINTON ST CHICAGO.

For sale by the wholesale Hardware trade.

THE ONLY "PERFECTION" WATER ELEVATOR AND PURIFYING PUMP



It is the simplest structure for raising water on the continent; guaranteed never to freeze. . .

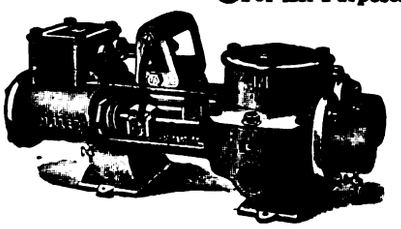
Dealers, get in line and sell your trade an article you can guarantee for ten years. The chain or buckets is the principal factor in any elevator. The **Perfection Bucket** is cut by die in one piece of **Black Open Hearth Steel** folded together by double lap seams, and the entire chain **Galvanized** after **Construction.** Others are made of several pieces of galvanized iron soldered together. Simply this one feature is a sufficient guarantee that the **Perfection** has no equal. It is handled by all leading jobbers throughout the world. Call for the **Perfection.** Take no substitute.

For full particulars, circulars, etc., address the sole manufacturers.

St. Joseph Pump & Mfg. Co., St. Joseph, Mo., U. S. A.

The Miller Duplex Steam Pump

For All Purposes.



THE GILT EDGED PUMP OF THE WORLD.

MANUFACTURED BY

THE CANTON PUMP CO., CANTON, O., U. S. A.

Send for Illustrated Catalogue.



PITTSBURGH PUMP CO.

MANUFACTURERS OF ALL KINDS OF

FORCE LIFT SPRAY TANK PUMPS

SEND FOR CATALOGUE

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COVERT MFG. CO.,

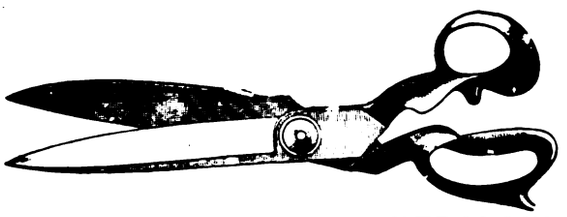
WEST TROY, N. Y.

Harness Snaps, Chain, Rope and Web Goods, &c.

For sale by Jobbers at Manfrs. prices.

WHEN YOU WANT THE

Best Quality and Finest Finish



SHEARS, SCISSORS & TINNERS' SNIPS

YOU SHOULD HANDLE THOSE MADE BY

J. WISS & SONS, NEWARK, N. J.

We make the Largest line of

Tailor Shears, Trimmers, Barber Shears, Bankers', &c.

WE make a specialty of High Grade Shears suitable for Mill and Factory use. No mechanic can afford to use poor tools. Ours are the **BEST** in the line, consequently the cheapest. . .

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G.W. BRADLEY'S

SUPERIOR QUALITY

CAST STEEL TOOLS

WESTPORT CONN.

BUSH HOOKS, DRAWING KNIVES, TURPENTINE TOOLS, SHIP CARPENTERS' TOOLS,

&c., &c., &c.

Goods carried in stock in New York for prompt shipments

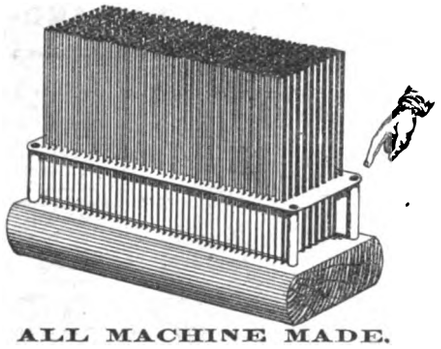
Underhill, Clinch & Co.,

—SELLING AGENTS,—

94 CHAMBERS STREET, NEW YORK

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"IRON CLAD."



ALL MACHINE MADE.

SEE

THIS STRUCTURE? WHAT'S IT FOR?

Well, it gives surprising durability!

Our goods are Guaranteed unsurpassed in Durability, Workmanship, Material.

Their elegance attracts the eye at once.

. . . . FOR FOUNDRIES, PAINTERS, ROOFERS, ETC. . . . .

SATISFACTION GUARANTEED OR MONEY BACK.

THE BUCHEL BRUSH NOVELTY CO.,

Mention "HARDWARE." NEW ORLEANS LA.

HAYES SKYLIGHTS (METALLIC) LATHING &c.

71-8TH AVE. NEW YORK.

FIRE-PROOF CONSTRUCTION

BRUCE & COOK,

TIN PLATES AND METALS,

186, 188 and 190 Water St., 248 and 250 Pearl St. NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Mancer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

SEND FOR CATALOGUE.

STEEL STAMPS AND DIES,

STENCILS, NOTARY, LODGE AND CORPORATION SEALS.

CHECKS, BADGES, MACHINERY PLATES.

Burning Brands, Brass Signs, Brass Labels, Models and Moulds for Casting WHITE METAL.

SCHWERDTLE & SIEBERT,

35 Fairfield Ave., BRIDGEPORT, CONN.

"SATISFACTORY RESULTS ON INVESTMENT."

Aladdin Lamp Co., Newark, N. J. [*Bicycle Lamps*]: We think that the Hardware trade is one of the best to handle the side line of bicycles and bicycle sundries, as it seems to be in perfect keeping with the other lines of goods which are kept in stock. We are also of the opinion that the trade will, in time, be controlled by a very few exclusive stores, and a large number of Hardware and carriage warehouses, where the bicycle can be sold at a legitimate price as a side line. Regarding HARDWARE it has always given us satisfactory results on i vestment made.

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CHATILLON'S SPRING SCALES.

For more than **sixty years** we have carried on the business of making **Spring Scales,** and have made it OUR SPECIALTY.

Our experience in the business, together with our unequaled facilities for manufacturing, enable us to produce a superior article, and thus to maintain the well-known reputation of **Chatillon's Spring Scales** as above that of other makes.

All our Scales are warranted to weigh accurately and to be perfect in workmanship.

FOSTER BROS.'
BUTCHER KNIVES, CLEAVERS, STEELS, &c.

TRADE MARK



These Tools are recognized in the Markets, Packing Houses and Abattoirs throughout the U. S., as the standard of excellence, quality being the first consideration. We carry in stock every style and size of Knives, Cleavers and Steels used in cutting meat; also Knives for kitchen use in Hotels, Restaurants and for domestic purposes.

FRIEDERICH DICK'S MAGNET DIAMOND STEELS.

TRADE F. DICK MARK.



By careful workmanship and the use of a special steel in their manufacture they have become famous throughout the world.

PHOENIX KNIFE CO.'S POCKET KNIVES.

We have recently become interested in the manufacture of Pocket Knives, and solicit the trade of our friends on a first-class Pocket Knife, equal to any knife made, foreign or domestic.

JOHN CHATILLON & SONS,

ESTABLISHED 1835.

85 to 93 Cliff St. and 12 Jacob St.,

NEW YORK CITY.

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JOHNSTON'S LIQUID GLUE FOR ALL USES.
1 oz. bottles per gro. $5.00
2 oz. bottles per gro. $6.00
JOHNSTON'S IMPERIAL CARPENTERS' PENCILS.
—HIGH GRADE.—
Price per gro. $5.00.
OVAL, BEVELED, TRILATERAL, HEXAGON.
J. D. JOHNSTON, Newport, R. I.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

Seed's Reversible Self-Cleaning ... WATER FILTERS
BRASS, NICKEL PLATED.
No. A1 Per dozen, $4.00 No. 3 Per dozen, $1.50
No. 2 " " 2.50 No. 4 " " 1.00
In 5 Gross lots, 10 per cent off.
J. H. SEED, Manufacturer,
21 and 23 Centre Street, - - NEW YORK.

TURNBUCKLES.
MERRILL BROS.,
466 Kent Avenue, Brooklyn, E. D., N. Y.

If you would use only the best use
Barnes National Writing Ink and Mucilage.
BARNES NATL. INK CO.,
NEW YORK & PHILADELPHIA.

WOOD or METAL Workers
without steam power can save *time* and *money* by using our
Foot and Hand Power Machinery
Send for Catalogues—
A—Wood-working Machinery.
B—Lathes, etc.
SENECA FALLS MFG. COMPANY,
334 Water St., Seneca Falls, N.Y.

Hardwaremen's Exchange.

Notices of ***HELP WANTED*** *or* ***SITUATIONS WANTED*** *will be inserted in this column free of charge. Should not exceed Four Lines.*

ALL OTHER NOTICES, *twenty-five cents per line.*

Help Wanted.

A FACTORY superintendent wanted. Address Hitchcock Lamp Co., Watertown, N. Y.

WANTED bookkeeper and stenographer. One with experience in Hardware preferred. State age, experience and wages wanted. Address Carlton Hardware Co., Calumet, Mich.

WANTED—A traveling salesman, who is thoroughly familiar with gas and oil stoves. To one who is thoroughly competent, a splendid opportunity.
Address Primus Cooking & Heating Apparatus Co., No. 197 Fulton Street, New York.

RESIDENT agents wanted in all parts of the country to handle fastest selling and best paying Hardware specialty on the market. Address with references, stating territory desired, etc., Manufacturer, care Hardware No. 143 Chambers Street, New York City.

SALESMAN wanted to sell Hardware and notion specialties to the trade on commission. A splendid line of good sellers. Address, giving references, experience and territory, Gibbs Mfg Co., Canton, Ohio.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care Hardware, No. 143 Chambers Street, New York.

Situations Wanted.

DIE-MAKER—Position wanted A1 practical die and tool maker, well up in all latest improved dies and tools for novelty or general Hardware, Dies for Blanking, Drawing, Stamping, Forging, Piercing, etc., for all sheet metals as Brass, Iron, Steel, Aluminum, etc., well up in modern shop methods to increase production; can design and develop ideas; have had ten years' experience in best shops of Massachusetts and Connecticut. Can accept first week in May. Best of references as to ability and character. Address Die Maker, care Hardware, No. 143 Chambers Street, New York.

WANTED—Situation as house or traveling salesman with Hardware or bicycle house. Fifteen years in retail Hardware and six with bicycles. Also have traveled a little. Can give best of reference. Address L. B. 84, Castile, N. Y.

WANTED—Thoroughly experienced bookkeeper, correspondent or office man desires position with responsible wholesale or retail firm. Address J. G. R., box No. 533, Lake Mills, Ia.

WANTED—By young man a position in wholesale or retail Hardware store, inside or outside. Have had six years' experience; can give all references; speak German and English. Address Reliable, care of Hardware, 143 Chambers Street, New York.

YOUNG man, 21, over six years' experience in offices of large Hardware concerns. Best references. Good writer and figurer. Ambitious. Address A. B. H., No 41 East 106th Street, New York City.

YOUNG man (28) practically experienced in manufacturing and selling metal ware, moderately familiar with important European languages, wants position with concern intending development of foreign trade. Willing and able to do any other work in addition when desired. A. M. Energetic, care Hardware, No. 143 Chambers Street, New York.

WANTED position with wholesale Hardware house, or stove manufacturer, as traveling salesman, or grocery house. Have had experience, especially on the road. Best of references furnished. Address M. U. N., care Hardware, No. 143 Chambers Street, New York.

AS clerk or bookkeeper in general retail Hardware store; seven years' experience. Address Seeley, No. 302 Pine Street, Towanda, Pa.

SALESMAN well known to the retail Hardware trade of Philadelphia, would like a position to represent either a New York jobbing house or Eastern manufacturing. Address E. A. W., care W. J. Lockhart, No. 235 North Ninth Street, Philadelphia, Pa.

WANTED—By experienced Hardwareman, aged 24, a position as indoor salesman. First-class reference. Active, energetic and industrious. W. T. Clark, No. 354 Giddings Avenue, Cleveland, Ohio.

TINMAN.—Situation wanted by a tinman as manager of tinning or coating department of tin mill; good references. Address Tin, care Hardware, No. 143 Chambers Street, New York.

SITUATION in general wholesale Hardware store wanted; am 26 years old, will go any place; have had 6 years' experience, and can give best of references; am not afraid to work. E. W. Parkinson, Lock Box 54, Moundsville, W. Va.

A YOUNG man, 30, experienced in Hardware business and acquainted with large trade East, is open for position on the road. Highest reference. Address C. B. Lowber, No. 2233 Norris Street, Philadelphia, Pa.

POSITION wanted as house or road salesman in wholesale Hardware and cutlery house. New York, Pennsylvania or New Jersey preferred. Twenty years' experience; last eight years on road. J. H., care General delivery, Newark, Ohio.

POSITION wanted Young man, 26; ten years' experience in Hardware (three years as proprietor), desires position where energy and push will be appreciated; can keep books; speaks and writes German; highest references. Address G. J. M., No 1420 Poplar Street, Philadelphia, Pa.

WANTED by a practical metal pattern maker. First class on ornamental work, and a good chaser. An expert on cored work. Nine years' experience as foreman, and competent to design and make dies, tools, jigs, etc.; to manufacture specialties in the most economical manner. Reference. Address Mechanic, care of J. W. Leix, No. 717 Clinton Street, Ottawa, Ill.

THOROUGHLY experienced bookkeeper, correspondent or office man desires position with responsible firm. Best of references Address J. C. H., P.O. Box 261, Rochester, N. Y.

A COMPETENT clerk or salesman; ten years' experience; age, 26 years. Can speak German. Address L. Schoen, No. 16 Fourth Avenue, New York City.

POSITION as foreman in a room. Understands how to handle help to the best advantage. Have had experience in hydraulic press work. Thoroughly understands steam, water and hydraulic pump fitting. Address Foreman, care Hardware, No. 143 Chambers Street, New York.

A TRAVELING salesman with nine years' experience in builders' and general Hardware desires a position in a wholesale house. Is willing to travel, having traveled through Pennsylvania. Is 28 years old and strictly temperate. References. Address Charles Jones. General Delivery Post-office, Philadelphia, Pa.

EXPANSION BOLTS


For fastening all kinds of structure to brick and stone work
Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue B. Toledo, Ohio.

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Situations Wanted.

A MAN of long experiense in the Hardware business desires a position with a manufacturing concern, preferably builders' Hardware; has held position of responsibility and in managerial capacity. Address B. H., care HARDWARE, No 143 Chambers Street, New York.

A LIVE, enterprising man of large experience, conversant with every branch of cutlery and Hardware, is desirous of forming permanent connection with respectable house, either as buyer or manager, where first-class business qualification and unflagging energy will serve valuably to promote their business. Highest references throughout trade. V. L., care HARDWARE, No. 143 Chambers Street, New York.

WANTED position with manufacturing concern or store, where I could keep books, run typewriter if necessary, and learn the business with hopes of promotion. Had four years' experience in the anti-rattler business. Would go to any part of the country. Age, 24. Address J. E. H., Box No. 356, North East, Pa.

PUMPS—Situation wanted by traveling man, aged 24, at present engaged by prominent pump manufacturing house. Seven years with present concern and four years as a traveler. Good hustler and trade. A1 references. Address C. J. E., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Situation as traveling salesman by young man of 25, for manufacturer of some special line of goods going to large jobbing trade. Would like to cover whole of United States. Can give reference. Address E. J. S., care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN, fifteen years on road, cutlery and Hardware, wants situation. New York and Philadelphia references. Address TRAVELER, No. 2444 Natona Street, Philadelphia, Pa.

POSITION wanted.—A salesman well known among the Hardware export, housefurnishing and department store trade is open for engagement. Address H, care of HARDWARE, No. 143 Chambers Street, New York

WANTED a position by married man of experience, as bookkeeper or entry clerk. Have had eight years' experience in a large retail store. A1 references. Address ISAAC B. MURRAY, McKean and Moya Avenues, Philadelphia, Pa.

HARDWARE: Young man, 28, ten years' experience in wholesale and retail trade, as salesman in store and on the road, wants engagement. L., No. 2233 Norris Street. Philadelphia, Pa.

SITUATION wanted.—A practical Hardwareman; been four years with a first-class house as price and discount clerk; a rapid and accurate figurer; a hard worker; references first class. Address DISCOUNT, care HARDWARE, No 143 Chambers Street, New York City.

WANTED a position as stenographer by a lady who has had over five years' experience with a large Hardware jobbing house. Best of references given and required. Address F. E. W., No. 723 Church Street, Lynchburg, Va.

AN A-1 metal pattern maker, experienced in various lines, desires situation. Address PATTERN, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—BY young man 29 years of age; has had ten years' experience in wholesale builders' and general Hardware, in or outside position with wholesale or extensive retail store. Address RUSSELL, care HARDWARE, No. 143 Chambers Street, New York.

A GENTLEMAN of good business capacity with executive ability, twenty years in general Hardware, desires a position with some wholesale or manufacturing concern; competent as salesman, buyer or manager; fully acquainted with office duties, the details of a large business and accustomed to handling help. Willing to go anywhere. Satisfactory references. Address F. A. G., P.O. Box 247, New York.

YOUNG man 18 years old would like a position in the Hardware business in New York. Address FRANK WALTER, No. 136 West 120th Street.

YOUNG MAN of 23, with six years' experience in Hardware business (Chicago), would like position in tool or builders' Hardware line. latter preferred; best of references. Address C. S., care HARDWARE, No. 143 Chambers Street, New York City

Side Line Wanted

WANTED—To represent manufacturers of Hardware and woodenware specialties by a man visiting every wholesale Hardware and woodenware house between New York and the Missouri, on salary or commission. Address 2030 Franklin, care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman wishes one or more good side lines for the New England States. Will start about the 10th of March. Trade visited: Hardware, Harness and Carriage repositories, Clothing stores. A1 references. Address MONITOR, No. 402 Bronson Avenue, Rochester, N. Y.

A WELL-KNOWN firm, representing several factories as New York office, wishes to add at least three good lines either on commission or salary. Address MANUFACTURERS' AGENT, care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN calling on the Hardware and drug trade can learn of a profitable side line by addressing F. O. X., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

WANTED.—Side line. by salesman calling on the Hardware trade. Address M. A. N., care of HARDWARE, No. 143 Chambers Street, New York.

WANTED, to represent some Hardware specialty, manufacturers or jobbers, in Ohio and Pennsylvania, by a man twenty-nine years old; married; has had four years' experience on the road in this line. Best of references. Address Box 315, Columbiana, Ohio.

PAINTS, VARNISHES, ETC—Situation to sell to the retail trade of Northern Ohio. Address A. L. S., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WANTED—Salesman who goes to the retail Hardware trade through Middle and Southern States, to sell the Akron Spirit Level. Address AKRON LEVEL WORKS, Akron, Ohio.

PARKER'S Folding Bicycle Stand—a good seller and profitable. Address F. HAWLEY, No. 40 Gold Street, New York.

SALESMAN—To sell on commission for the manufacturer as a side line, wrought iron hay racks and stall guards; liberal commission; state references and territory. Address C R., care HARDWARE, No. 143 Chambers Street, New York City.

SALESMAN calling on Hardware trade can learn of fast selling and good paying side lines by addressing, with references and full particulars, MANUFACTURER care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—Resident agents in all cities outside New England to handle a new household device of sterling merit, that sells at sight when shown in practical operation; large profit. CLIMAX MFG. CO., No. 235 Washington Street, Boston, Mass.

For Sale.

A CLEAN stock of Hardware and stoves in county seat of best agricultural county in Ohio. Established business. Must give attention to other interests Address "NORTH," care HARDWARE, No. 143 Chambers Street, New York.

HARDWARE store for sale; stock all new within three years. Only eight miles from Boston, Mass.; 6000 inhabitants; only one other store of the kind in town; $2000 stock. Will sell at a discount having other business. Address B. A, care HARDWARE, No. 143 Chambers Street, New York.

AN old reliable and profitable Hardware business, in one of the best county seats in Ohio; new, clean stock; good reasons for selling. Address, immediately. "OLD RELIABLE," care of HARDWARE. No. 143 Chambers Street, New York.

To Let.

OFFICE, with room for stock and storage. V. P. HUMASON, No. 80 Chambers Street, New York.

Attention! Hardware Dealers!

WANTED—Hardware dealers who handle bicycles to write us for particulars regarding Norwood Bicycles. HALL & DOWNING, No. 82 West Broadway, New York.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Agency Wanted.

A MAN of twenty years' experience in the Hardware business wants to act as direct representative in New York and New England for a few first class manufacturers on salary or commission, presenting such lines to the export and large Hardware trade in that territory. Address D. R., care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a young man with thirteen years experience, to represent some Horse Shoe or Horse-Shoe Nail Manufacturer or Manufacturers' Agent; can furnish best of reference. Address EXPERIENCE, care HARDWARE, No. 143 Chambers Street, New York.

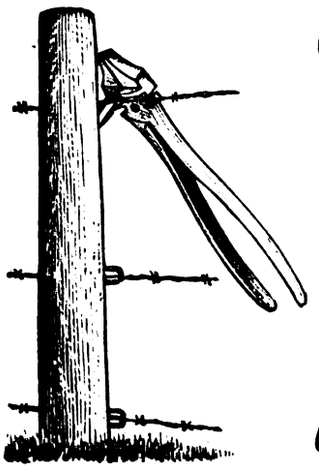
AMERICAN, 29 years old, experienced in business and a salesman, offers his services in Boston and New England on commission basis to manufacturers producing salable line of goods, and in such a thorough representation will be assured. Address H. C. D., care HARDWARE, No. 143 Chambers Street, New York City.

AGENCY WANTED—To represent in New York one or more manufacturers for the domestic and export trade; well acquainted with export commission houses R. B. Thomas, No. 114 Nassau Street, Room 208, New York City.

Rubber Agency Offered.

MINERALIZED RUBBER CO., No 18 Cliff Street, New York. Mineralized Rubber Hose (especially Garden), Belting, etc., is better and cheaper than vulcanized. Samples free. Agents wanted.

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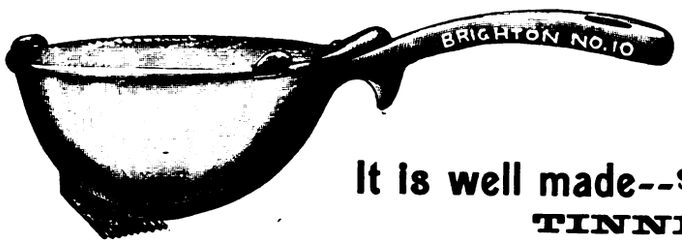
CRONK'S

Combination Fencing Plier.

This newly invented fencing tool is needed by all people that build or have occasion to remove or repair wire fence, as it is made with two staple pullers, two hammers and two button cutters. They are the same heft as the 1½ Maydole Hammer, and they are made of forged tool steel. No good farmer will be without one. They are warranted to cut No. 8 hard or No. 6 soft wire. Like the celebrated Cronk Plier they are fully warranted in all respects. No. 12, 11 in. long, $12 00. Dis. . . .

CRONK HANGER CO., ELMIRA, N. Y.

The Brighton Ice Shredder



MAKES SNOW BALLS.
MAKES COOL DRINKS.

Makes more money for merchants than anything on the market.

It is well made--Steel Knife--Self-Emptying Cover.

TINNED ALL OVER.

Send for Circulars and at same time ask about Lemon Squeezers, Fruit Presses, Ice Goods.

LOGAN & STROBRIDGE IRON CO., - New Brighton, Pa.

THE FACT REMAINS THAT

PHILLIPS SCREENS

ARE RELIABLE.

Please remember this while apologizing to your customer because the cheap imitations of Phillips Screens came apart and wouldn't work and were rough and slivery. The genuine article is made by

The A. J. Phillips Co., Fenton, Mich.

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PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—

House Carpenters, Ship Carpenters, Railroad. 40&12½%

Ammunition—

CAPS, PERCUSSION—₩ 1000—
M. C. Co. and Hicks, trimmed edge 47 @ 50c
U. M. C. Co. and Hicks ground edge 47 @ 50c
Musket, Waterproof, 1-10's 45 @ 50c
G. D 28 @ 30c

CARTRIDGES—
Rim Fire Cartridges 50&5&2%
Rim Fire Military 15&2%
Cent. Fire, Pistol and Rifle 50&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 28 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 28 cal. $1.75 2%
Blank Cartridges, 32 cal. $3.50 2%
Primed Shells and Bul'ts 15&5&2%
B. B. Caps, Round Ball $1.10@1.15
B.B. Caps, Con. Ball, Swgd $1.75@1.80

PRIMERS—
Berdan Primers, $1.00 2%
B. L. Caps (for Sturtevant Shells) $ 1.00 2%
All other Primers $1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50 20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality 60&2%
Brass Shot Shells, Club, Rival and Climax 65&2%

SHELLS LOADED—
Standard List July 19, 1890. 40&10& 10&10&5%

GUN WADS—₩ 1000—
B.E., 11 up. 60c..B.E., 9&10..70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up. 1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&5%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag $1.20
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag $1.45
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag .35
Buck and Chilled Shot, 25-lb bags, ₩ bag $1.45
Buck and Chilled Shot, 5-lb bags, ₩ bag .35
Dust Shot, 25-lb bags, ₩ bag $2.00
Dust Shot, 5-lb bags, ₩ bag .50
Jobbers frequently deduct 5@10 cents ₩ bag.

POWDER—
Laflin & Rand:
Orange Rifle ex., kegs 25 lb $4.00
12½ lb 2.25
6¼ lb 1.25
Orange, Special, kegs 25 lb 5.00
12½ lb 2.75
6¼ lb 1.50
Orange Ducking, kegs 6¼ lb 2.25
(For 100 lb lots 10% discount.)
Blasting and Mining, A. 25 lb 2.25
Blasting and Mining, B. 25 lb 1.50
Laflin & Rand W.-A. Smokeless:
Sing e Canisters $1.00
10 Can Drums $9.00
Discounts on applica'ion.

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each .$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb, each .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each .12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb $3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb 1.35
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb 4.00
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb 1.25
"V. G. P." for Trap Shooting, in Kegs 25 lb 4.00
"V. G. P." for Trap Shooting, in Kegs, 12½ lb 2.25
"V. G. P." for Trap Shooting, in Kegs, 6¼ 1.25
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb 5.00
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb 2.75
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb 1.50
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb 2.25
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb 2.25
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb 1.50
Du Pont Sporting Powder, for lots 1000 lb 10% discount:
Du Pont Smokeless Powder:
Kegs, equal in bulk, to 25 lb Black Powder $22.00
Half Kegs, equal in bulk to 12½ lb Black Powder 11.25
Quarter Kegs, equal in bulk to 6¼ lb Black Powder 5.75
Canisters, equal in bulk to 1 lb Black Powder 1.00
Discounts on application.

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black .$ .85
Canister, equal in bulk to 2 lb, best black 1.70
Drum, equal in bulk to 10 lb, best black 8.25
Drum, equal in bulk to 50 lb, best black 41.00
Drum, equal in bulk to 100 lb, best black 82.00
Discounts on application.

TARGETS AND TRAPS, INANIMATE—
Cleveland Target Co.:
Blue Rocks ₩ 1000 $5.50
Expert Traps, each $5.50
Extension Traps, each $4.00

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success ₩ doz. $2.80
Galien Safety ₩ doz. $2.75
Hartman's Pivot ₩ doz. $4.75
Iowa Farming Tool Co.:
Hawkeye ₩ doz $2.25
Western ₩ doz. $2.75

Anvils—

American "Horse-Shoe" 9¼@9¾c
Armitage's Mouse Hole 8¾@9¼c
Eagle Anvils, ₩ lb 9c 15@15&5%
Hay-Budden, Wrought 8¼@8¾c
Peter Wright's 9¾@10¼c
Samson 8¼@9c
Trenton 8½@9c

ANVIL AND VISE COMBINED—
Cheney Anvil and Vise 40%
Holt's 40@40&10%
Millers Falls (with drill) $18.00..20%

Augers and Bits—

Boring Machine 70&10%
Cincinnati Tool Co.:
Bell hangers' bit 40%
Brace twist drills for metals. 50&5@50&10%
Brace twist drills for wood. 40&5@40&10%
Screw and plug 35&10&10%
Cleveland Wood Bits for Brace, Style A, No. 114 50&5%
Common 70@70&10%
Cook's Circular Lip 60%
Cook's N. H. Copper Co 60%
Forstner Pat. Bits 35%
Ives' Circular Lip 65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30 60%
Nobles Double Spur, No. 33 70&10%
No. 10 Extension Lip 40%
No. M Extension Lip pattern car bit 40%
Pat. Car Bits, No. 10 40%
Pat. Car Bits No. 30 60%
Ring Augers 70&10%
Pugh's Black 20%
Snell's Bits 60&10&10@70%
Russell Jennings' Augers and Bits. 25&10&2½%

HOLLOW AUGERS—
Bonney's Adjustable, No. 4, $ 4.00, 20%
Cincinnati Adjustable 25&10%
Cincinnati Standard 25&10%
Douglass' 33⅓@33⅓&10%
Ives 33⅓@33⅓&10%
Millers Falls, Goodell 15&7½&10%
Universal, each $4.50 20%

EXPANSIVE BITS—
C. E. Jennings & Co. 33⅓%
Cincinnati 35&10&10%
Clark's small, $18.00 45%
Clarks' Large, $36.00 45%
Ives' Model, ₩ doz. $20 50@50&10%
Steer's No. 1, $22; 2, $15 40%
Stearns' No. 2, $48 20%
Swan's 40@40&10%

GIMLET BITS—
Diamond ₩ doz. $1.25 40&10%
Double Cut, Shepardson's 45&10@50&10%
Double Cut, Common, ₩ gro. $3.75 @$3.25
Double Cut, Douglass' 40&10@50%
Double Cut, Ladds' 70%
C. E. Jenning & Co.:
Double Cut 70%
German 50%

BIT STOCK DRILLS—
Cincinnati Tool Co., for wood 40@40&10%
Cleveland Wood Bits for Brace 50&5%
Syracuse, for wood 40%

TWIST DRILLS—
Cleveland 60&5@60&10%
Morse Twist Drills 60&5@60&10%
New Process 60&5@60&10%
Standard 60& @60&10%
Syracuse 60&10@60&10&10%

SHIP AUGERS AND BITS—
L'Hommedieu's 15&10%
Snell's 40@40&10%
Watrous' 40%

Awls—

Dunlap's Brad 35%
Dunlap's Handled 35%
Handled Brad, ₩ gr. $3 00@$3.25
H'ld Scratch ₩ gr. $3.75@$4.00
Pat. Peg ₩ gr. 33@35c
Sewing, Com. ₩ gro., 85c@$1.00
Should. Peg ₩ gr. $1.35@$1.45
Shouldered Brad, ₩ gr. $1.50@$1 65
Socket Scratch ₩ doz. $1.0 @$1.10
Stanley Rule & Level Handled Brad 40&10%
Patent Pegging 50&10%

Awl and Tool Sets—

Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10 60&10@60&10&5%
Brad Sets:
No. 42, $10.50; 43, $12.50 70&10&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7 50%
Ice Awls 55%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18 15@15&10%
C. E. Jennings & Co.'s Adjustable Tool Handle, No. 10, $2.10; 45, $4.50; 60, $6 00; 75, $9.00; 175 $10.00 ₩ dozen net

Axes—

First quality, best brands $5 00@5 25
First quality, other " $4.50@4.75
Beveled add 50c ₩ doz.

AXES, HANDLED—
Peck's:
Champion Blade...per doz., $12.00
Empire...per doz., $9.00
Firemans'...per doz., $25.00

HATCHETS—
Collins 10%
Find'ay Axe & Tool Co. 50@50&10%
Hunt's, Underhill's or Blood's 50@50&10%
Peck's:
Champion Blade 45%
Empire Brand 5'&10%
Fayette R. Plumb:
Broad, New List 40&12½%
Lathing 50%
Shingling 50%
Warehouse 40&12½%
Vulcan Tool Co 60%

Balances—

Chat llon's:

No.	2000	20	30
₩ doz.	75c	85c	$1.65 net

Circular Balances 60%
Straight Balances 50%
Circular Spring Balances 50&10@60%
Common 2 lb. ₩ doz. 80c net.
Ice 50&10%
Straight Spring balances. 50&10@60%

Barrel Drainers—

National 30%

Beef Shavers—

Enterprise:
Japanned, each, $6.50 30%
Tinned, each, $7.50 30%

Bells—

HAND—
Extra Heavy Brass 65&10%
Light Brass 70&10%
Globe (Cone's Patent) 40%
Silver Chime 40%
White Metal 65&10%

DOOR—
Crank, Cone's 10%
Gong, Abbe's 40@40&10%
Gong, Barton's 40&10@50%
Gong, Yankee 55&10%
Lever, R. & E. Mfg. Co.'s 60@60&10%
Multi-Stroke 50%
New Departure 45@50%

COW—
Common Wrought 60&10%
Dodge, Genuine Kentucky 70@70&10%
Kentucky, Sargent's List 75%
Texas Star 50&10%
Western, Sargent's list 75%

Bellows—

Blacksmith's 70@70&10%
Hand 50&5@50&10&5%
Moulders 50&5@50&10&5%

Belting, Rubber—

Boston Belting Co.:
"Boston" 50&10&5%
"Imperial," seamless, stitched 40&10%
Cleveland Rubber Co.:
Buckeye 60&10%
Shield High Grade 50&10%
War. 2 XL 40%
Common Standard. 75&10@75&10&5%
Extra 60&10&5@70%
N. J. Car Spring & Rubber Co.:
Extra Para 40&10%
Reliable 50&10%
Staple 60&10%
Standard 70&10@75%

Bench Stops—

Cincinnati 25&10%
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00 40&20%
Seymour Smith & Sons..₩ doz. $5, 10@10&10%
Terrell's No. 1 and 2, $3; No. 3, $3.00 ₩ doz. 30%
Millers Falls 15&10%

Bit Holders—

Angular 40&5%
Extension:
Barber's, ₩ doz. $15.00 45%
Ives' ₩ doz. $20.00 60&10@60&10&5%

Blind Adjusters—

Domestic..₩ doz. $3..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00...50&10&5%
North's 10%
Zimmerman's 50&10@50&10&10%

Blind Fastenings and Tenons—

Austin & Eddy ₩ gro. sets $5.50
Gorhams Improved Star Tenon ₩ gro. $1.00 25%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr. $9.00
Millers Falls ₩ set $1 00 15&10%
Security Gravity ₩ gr. $9.00
Van Sand's 55&10%
Washburn's Plate ₩ gr. $9 00
Zimmerman's 50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel 60&10@70%
Com. Jap'd Sheaves 70&5@70&10%
Lanes:
Junior, Self Staining 30%
Pat. Automatic 30%
Perfect Safety 30%

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Regular Iron Strapped Blocks 70&5@70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c.....70%
Cast Iron Chain.....50&10%
Cast Iron Shutter Bolts.....70%
Ives' Patent Door Bolts...60&10&5@60&10&10%
Wrought Barrel.....75@75&10%
Wrought Square..70&10@70&10&10%
Wr't Shutter, Standard list.....70%
Wr't Shutter, Sargent's list.....70%
Wr't Sunk Flush, Sargent's list. 50&10@50&10&10%
Wr't Sunk Flush, Stanley's list 50&10@5[illegible]&10&5%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&5%
Window Spring.....75%
Window Spring Bolt Socket.....70%

CARRIAGE, MACHINE, &C.—

Bolt Ends.....80@80&5%
Machine.....75&10@80%
Carriage, Common.....75&10@75&10%
Norway Iron, list Oct '84..90&10@80&15%
Phila., Eagle, list $3.00.....85%
R. B. & W., $2.40 list.....70%

TIRE—

American Screw Co.:
Bay State, Plain list Feb. 26, '96, 75&10%
Bay State, Fluted.....80%
Eagle Phila., list Feb. 26, '96.....55%
Norway, Phila., list Feb. 26, '96.80%
Common, list Feb. 28, '88..75@75&10%
Eagle.....85%
R. B. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—

Plow.....60&10&10@70%
R. B. & W., Plow.....65%
Stove.....75&10%

MISCELLANEOUS—

Sink.....75&10%
Sleigh Shoe.....85%

Bone Mills—

Enterprise.....30%

Borers, Tap—

Common and Ring.....20&10@35%
Enterprise, No. 1, $1.50; 2, $2.00; 3, $3.00 each
Ive's.....33⅓&5%

Boring Machines—

Without Augers.

	Upright.	Angular.
Douglass'	$3.50	$3.00
Jennings'	3.50	3.00
Millers Falls		7.50 15&10%
Other Machines	2.25	3.50....net
Phillips' Patent with Augers	7.00	7.50
Snell's, Rice's Pat.	2.50	$2.75

Bow Pins—

1¾ inch, ₩ gro.....$4.50@$5.00
2 inch, ₩ gro.....$5.00@$5.50

Boxes, Mail—

Heller's.....40&5%

Braces—

Barber's.....50&10@60&10%
Barber's Ratchet.....60@60&10%
Bartholomew's:
Nos. 25, 27 and 30..... 7.@75
Nos. 117, 118, 119.....70&75%
Common Ball American..$1.10@$1.20
Ives':
Barbers'.....60&5%
Barber Ratchet.....60@60&10%
New Haven Novelty....70@70&10%
New Haven Ratchet.60&10@60&10&10%
Spofford.....60&5@60&10%
C. E. Jennings & Co.:
No 108@114½.....60&10%
No 2 8½@214½.....60%
Peck's (P. S. & W. Co.)...60@60&10%
Gen Spofford's.....50&10&5%

Brackets—

Door Screen.....70&10%
Moore's.....70&5%
Shelf, Bradley's Patent.....8%
Shelf, Plain, Regular list.....70&10%
Shelf, Fancy, Sargent's list.60&10@60&10&5%
Window Screen Corner.....70&10%
Reading, plain.....7%
Reading, Rosette.....70%

Bright Wire Goods—

Standard list.....85@85&10%

Bull Rings—

Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%
Sargent's.....80@80&10%
Seymour Smith & Sons.....60%

Butcher's Cleavers—

Beatty's.....40&5@40&10%
Bradley's.....35@35%
Dunlap's Family.....35%
Foster Bros. Flat Hds.....30%
Foster Bros. Round Hds.....40%
L. & I. J. White.....35%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....[illegible]

Bung Hole Borers—

Enterprise.....35%
C. E. Jennings & Co.:
No. 6.....40%
No. 10.....30%

Butter and Cheese Triers—

Ordinary Black Handle.....35%

Butt and Rabbet Gauges—

Stanley's.....25&10%

Butts—

BRASS—

Cast Brass, Fast Joint....40@40&10%
Cast Brass, Ice House.....40%
Cast Brass, Loose Joint...40@40&10%
Wrought Brass, List Sept. '96.40@40&10.

CAST IRON—

Loose Joint.....75@75&5%
Loose Joint, Japanned.....75@75&5%
Loose Joint, Jap. with Acorns, 75@75&5%
Loose Pin.....75@75&5%
Mayer's Hinges.....75@75&5%
Parliament Butts.....75@75&5%
Sargent's:
Fast Joint, Broad.....60&10%
Fast Joint, Narrow.....60@60&10%

WROUGHT STEEL—

List, April 1, 1895.
Bronzed Inside Blind Butts.50&10@50&10&5%
Bronzed, Narrow.....
Fast Joint, Narrow.....
Fast Joint, Light Narrrow.....
Fast Joint, Broad.....
Loose Joint.....
Loose Pin.....
Table Butts, Back Flaps, etc..
} 75%

Can Openers—

American.....₩ gross $1.75@$1.90
Champion, ₩ doz. $3.00.....50%
Columbian.....₩ gro. $14.40
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
Dunlap's Sardine Scissors, ₩ doz. $5.00.....25%
Dunlap's Wood Handle No. 2 $1.75.25%
Goodell's Acme, ₩ gr. $8.00; ₩ doz. 75c
No. 5, Iron Handle, ₩ gr....$2.00@$2.25
Sardine Scissors...₩ doz. $2.00@$2.25
Sprague, No. 1, $2.00; No. 2, $2.25; No. 3, $2.50.....70%
Universal, ₩ doz. $3.00.....55&5%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%

Cards—

Cotton.....20@25%
Horse and Curry.....20@25%
Wool.....20@25%

Carpet Stretchers—

Bullard's.....33⅓%
Cast Iron Steel Points, ₩ doz. 75@[illegible]
Cast Steel, Polished.....₩ doz. $2.25
Dunlap's.....25%
Excelsior.....25%
Socket.....₩ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....
Gold Medal.....
Hall.....
Prize.....
Premier.....
Superior.....
Cyco Bearings
₩ doz. $36.00
₩ doz. $27.00
₩ doz. $60.00
₩ doz. $27.00
₩ doz. $27.00
₩ doz. $27.00
Crown Jewel, japan finish, ₩ doz $19.00
Crown Jewel, silver bronze trimmings, ₩ doz.....$30.00
Crown Jewel, nickel, ₩ doz. $31.00
Furniture Protector, Japan.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Parlor Queen, Jap....₩ doz. $24.00
Parlor Queen, Nickel, ₩ doz. $27.00
Standard.....₩ doz. $24.00
Lots of 5 dozen $1.00 per doz. less.

TOY LINE—

Baby.....₩ doz. $2.50
Child's.....₩ doz. $3.00
Little Jewel.....₩ doz. $7.00
Little Queen.....₩ doz. $4.00

Casters—

Bed.....60&10&10@70%
Deep Socket.....60@ 0&10%
Giant Truck Casters.....35%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%
Martin's Patent (Phoenix), 60@60&5%
Plate.....60&10&10@70%
Socket Truck Casters..45&10@45&10&10%
Stationary Truck Casters.....50&10%
Store Truck.....55%
Swivel Truck.....60&10&10%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50&5%
Yale Gem.....70&10&5%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@70&10&10%
Peck, Stow & W. Co.....60@&10%
Sargent's.....70&10@70&10&10%

COW TIES—

American.....60&10%

Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%
Triumph.....33⅓%

Chain—

American Coil, Ass'n base prices

3-16	¼	5-16	⅜	7-16	½	⅝	¾
$6.85	5.35	4.25	3.65	3.50	3.35	3.15	3.05

Covert Saddlery Works:
Breast Chain.....60&20%
Hitching Chain.....6 &20%
Rein Chain.....60&20%
Covert Mfg. Co. Chains.....45%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Galvanized Pump Chain, with Buckets.....5@5½c
German Coil.....60&10@70%
German Halter Chain....60&10@7 %
Jack Chain, Iron.....70@70&5%
Jack Chain, Brass.....70@70&5%
Oneida Halter Chain.....60@60&10%
Plumbers.....60%
Trace, Wagon and Fancy Chains, 60&10@60&10&10%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

Buck Bros.....30%
Charles Buck.....30%
Douglass.....75@75&10%
Hinsdale.....
Mix.....
Ohio Tool Co.....
P. S. & W.....
Sag Harbor Tool Co.....
Swan.....
Winsted Edge Tool Co.....
} 75&10&5%
C. E. Jennings & Co. No 70....25&10%
Jennings & Griffin Mfg. Co.....75&5%
Merrill & Wilder.....60&10%

TANGED AND MISCELLANEOUS—

Ray.....60&10%
Buck Bros.....30%
Butchers'.....$4.75@$5.00 to $
Cold Chisels, good quality, ₩ lb 14@16c
C. E. Jennings & Co.....30%
Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges.....40&10%
Spear & Jackson's.....$5 to $
Tanged Firmers'.....50@50&10%

Chucks—

Beach Pat....each 8.00.....30%
Cushman's:
Combination.....40%
Independent.....50%
Morse's Adjustable, each $7.00...25%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....40%
Skinner's Pat. Comb. Chuck.....40%
Union Mfg. Co.:
Combination.....40%
Independent.....40%
Universal.....40%
Victor, No 1, $8.50; No. 2, $12.50..25%

Clamps—

Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearns'.....30@30&10%
Cabinet Makers, Sargent's...45&10%
Carpenters', Cincinnati.....25&10%
Carriage Makers', Sargent's, 50&10@50&10&5%
Carriage Makers' P. S. & W. Co., 40&10%
R. I. Tool Co.'s Wrought Iron....25%
Smith's:
Eccentric.....25%
Splicing.....25%
Splicing Tools.....25%
Warner's.....40&10@40&10&5%

Cleaners, Sidewalk—

Challenge Shank.....₩ doz. $3.25
Star Shank.....₩ doz. $3.50
Star Socket.....₩ doz. $3.75

Clips—

Norway Axle.....70@70&10%
Norway Spring Bar Clips.70@70&10%
Superior Axle Clips.....70&10@75%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....25%
National.....30
The Swift, Lane Bros.....33⅓%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%

Compasses, Dividers, &c.—

Athol Calipers and Dividers.....40%
Bemis & Call Co.'s:
Compasses.....50&5%
Dividers.....65%
Compasses, Calipers, Dividers. 70@70&10%
Wm. Johnson's:
Extension Dividers.....40%
Inside, Outside and Double.....70%
Registering.....50%
Wing Calipers.....50%
Wing Dividers.....75%
Stevens's "Ideal".....[illegible]

Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
Beatty's.....33⅓%
L. & I. J. White.....20@20&5%
Sandusky Tool Co.....25&10@20&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....40%
Humason & Beckley Mfg Co. 40& 10@50%
Samson.....₩ doz $10.00
Williamson's.....40%

Corn Hooks—

Kretsinger Cut-Easy, ₩ doz. $3.00 net

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—

Adjustable.....30%
Counter-sink Bits.....40&10%
Shepardson's Diamond.....40@45%
Smith's.....25%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....30%
Dixon's
Eclipse.....₩ gro. $3.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—

Fitch's, List Nov. 20, '96.....25&10%
Perfect.....25&10%
Rubber, ₩ doz. $7.50.....20@20&10%
Southington Cutlery Co.'s List, Nov. '96.....25&10%

Cycle Hangers—

Lane's.....33⅓&5%

Diggers—

See Post Hole, etc.

Dog Collars—

Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%
Medford Fancy Goods Co. list..40& 10@50%
Union Hardware Co. New List, 50&50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete, $9 50&10%
Thaxter Electric Lock, list....$35.00

Door Springs—

Champion (Coil)...50&10@50&10&10%
Foster's (Coil).....33⅓%
Gem (Coil), list Oct. '95.....25%
Rubber, complete, ₩ doz. $5.50. 66⅔@70%
Star (Coil), list Oct. '95.....33⅓&10%
Torrey's Rod, 30 in, ₩ doz $1.20@1.35
Victor, Coil.....60&10@60&10&5%
Warner's.....55@55&10%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Adjustable Handle.....40@40&10%
Bradley's.....35%
Douglass.....75@75&10%
Jennings & Griffin.....75&5%
Merrill & Wilder.....60&10%
Mix.....
New Haven.....
P. S. & W.....
Witherby.....
} 75& 10& 5%
Watrous.....30@30&10%
L. & I. J. White.....2.25@35%
Wilkinson's Folding.....25@25&5%

Drills and Drill Stocks—

Automatic Boring Tools..$1.75@1.85
Blacksmiths'.....each $1.75
Breast, Bartholomew's No. 12, ₩ doz.....$16.00
Breast, Millers Falls, each $3.00 15&10%
Breast, P. S. & W.....40&10%

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Frost, Wilson's.....30&5%
Graves Drill Stocks.....40%
Ratchet, Billings' Dble. Acting.33⅓&5
Ratchet, Ingersoll's.....25%
Ratchet, Merrill's.....20@20&5%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Parker's.....40%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Stearns' Bench.....50@50&10%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

Dover (Standard Co.) No. 10 ₩ gro. $9.50

Dover Extra Heavy (Standard Co.) No. 15.....₩ gro. $21.00

Paine, Diehl & Co.'s Keystone.....33⅓%

Spiral.....₩ gro. $4.35@$4.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$2.00 each, less 50%
Annunciators, $1.50 ₩ drop, less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon..6'c ea., less 50%
Batteries, Medical, $3.50 ea., less 50%
Batteries, Dry.....50c. ea., less 50%
Bells, Electric, 2½, 50c. ea., less 50%
Call Bell Outfit, Electric...$3.00 each, less 50%
Desk Pushes Electric..80c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Risers' Set, Electric..$3.50 each, less 50%
Floor Pushes, Electric...6 c. ea., less 50%
Gas Burners, Electric....5' c. ea., less 5 %
Gravity Batteries, $1.00 ea., less 50%
Hydrometers....75c. each, less 50%
Incandescent Lamps..4'c. each, less 50%
Induction Coils, Telephone..6 c. each less 50%
Lead Covered Wire No. 18, No. 16, No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Push Buttons, Wood..10c. each, less 50%
Sal Ammoniac...18c. ₩ lb, less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt....24c. each, less 50%
Switches, 3 pt....28c. each, less 50%
Spark Coils, 8 pt..$2.00 ea., less 50%
Spark Coils, 10 pt $2.40 ea., less 50%
Spark Coils, 12 pt.....$2.80 each, less 50%
Tape, Insulating, 8'c. ₩ lb. less 50%
Tube, Speaking, $31.00 ₩ 1,000 ft. less 50%
Whistles, Speaking Tube, N. P., 3.00 ₩ doz., less 50%
Whistles, Speaking Tube, Porcelain.....75c ₩ doz., less 50%
Wire Winders, $10.00 each, less 50%
Window Springs, Electric...24c each, less 50%
Yale Lock Switch, Electric, $2.50 each, less 50%
Zincs, Leclanche...04c. ea., less 5%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF F FF.
Kegs, ₩ lb..4½c	5c	8c	
½ kegs, ₩ lb.4½c	5½c	8½c	
¼ kegs, ₩ lb. 5c	5½c	8½c	
10 lb cans, 10 in case.... 6c	6½c	5½c	
10 lb cans, less than 10.. 10c	10c	8c	

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Brass Thread.....60@60&10%
Wood.....25%

Escutcheon Pins—

Brass.....70@70&10%
Iron, list January, 1890.....60@60&5%

Farriers Knives—

"Challenge".....₩ doz. $2.00
Popes.....₩ doz. $3.00
Wilkinson's.....₩ doz. $3.00

Faucets—

Brass Globe Cocks.....60&10%
Brass Racking.....60&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....60%
Frary's Pat. Petroleum.....60&10@70%
John Sommer's Boss Tin Key.....50%
John Sommer's Chicago Cork lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Cedar (in bbls.) 50&10%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....50%
John Sommer's No Brand Metal Key.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.40%
John Sommer's Peerless Tin Key.40%
John Sommer's Reliable Cork Lined.....60%
John Sommer's W. P. Metal Key.40%
Star.....60@60&5%
Self-Measuring:
Enterprise ₩ doz. $36.00.....40%
Lane's ₩ doz. $36.00.....40%
National Specialty Mfg. Co....40%

Fibreware—

Standard Fibre-ware Co.

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Buggy Pails, 7 in. high.	2.60		
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt.	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)	1.40	1.70	2.00
Cuspidors, 9x7½ inches, (anti-tip-over)	5.50	6.50	7.00
Dairy Pails, 14 qt.	3.80	3.80	4.80
Fire Pails, 14 qt., stenciled "fire"	3.40		
Fruit Bowls	1.20	1.70	2.00
Keelers, 11½ inch	2.80	2.80	3.10
Milk Pans	1.50	2.00	2.20
Mats, 8½ inch (for table use)	.50	1.00	1.20
Mats, 15 inch (for cuspidores, etc.	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)	3.00	3.70	4.80
Prison Pails, 16 qt. (with cover)	6.50		
Pitchers, 10½ in. high	4.00	4.70	5.20
Peck Measures	2.80		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt.	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Spittoons, Daisy, 8½ in. (detachable covers)	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers)	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers)	4.00	4.80	5.80
Water Pails, 12 qt.	$3.00	$3.50	$4.00
Waste Paper Jars	3.00	4.00	4.80
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)	1.20	1.70	2.10
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in. (or Wash Bowls,	2.30	2.90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4.00

Files—

DOMESTIC—

American.....75%
Arcade.....75%
Great Western.....75%
Kearney & Foot.....70&10@75%
Nicholson.....70%
Nicholson's X. F. Files.....33⅓%
Second Quality Files.....80@80&10%
Troy File Works:
Files.....70&10%
Rasps.....70%

IMPORTED—

Stubs.....Stubs' list, 25@30%

Filters—

Seed's Water Filters:
A 1, $4.00; No. 2, $2.50; No. 3, $1.50; No. 4, $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....60&20%

Fluting Scissors—

List.....45%

Forks—

Champion, Hay, Manure, etc 75&15%
Columbia, Hay.....75&10%
Columbia, Manure.....80%
Columbia, Spading.....80&5%
Hay.....75%
Iowa Farming Tool Co.:
Barley.....60&40%
Manure, 4 tine.....75&10&2½%
Manure, 5 and 6 tine.....75&20&5%
Spading.....75&10&2%
Victor, Hay.....75&10%
Victor, Manure and Header.....80%

Freezers, Ice Cream—

Blizzard.....net
Gem.....net
Granite State.....net
Improved Arctic.....net
Keystone, P. D. & Co.....20%
Ohio.....60&10%
Packer's:
Confectioner's Machine.....net
Double Action Standard.....net
Good Luck.....net
Standard.....net
Shepard's Lightning.....net
White Mountain.....net

Fry Pans—

Acme Fry Pans.....70&10%
Polished, regular goods...75@75&10%
Standard List.....75&10@75&10&5%

No.	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
₩ doz.	$6.00	$7.00	$8.00	$9.00	

Gas Lighting Burners—

Gem.....₩ doz. $2.50
In lots of 3 doz.....₩ doz. $2.25

Gauges—

Bemis & Call's Steel.....50%
Boss, Screw Pitch.....33⅓%
Clapboard.....20%
Marking, Mortise, &c..60&10@60&10&10%
Stanley's.....60&10%
Stanley's Chisel.....25%
Starrett's Surface, Center and Scratch.....25&10%
Copeland Champion Bit ₩ doz $3.00 net
Stubs' Wire and Drill.....20%
Wire, Morse's.....25%
Wire, P. S. & W., low list....10&10%
Wire, Wheeler, Madden & Co....10%

Gimlets—

"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%
"Diamond" Gimlets ₩ gr. $4.00@4.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%
"Eureka" Gimlets.60&10@60&10&5%
Metal head.....55%
Nail Gimlets:
Assorted 1, 2 and 3.....₩ gr. $1.50
Assorted 2 and 3.....₩ gr. $1.70
Pod.....50%
Star.....50%
Spike Gimlets:
Assorted 1, 2 and 3.....₩ gr. $2.00
Assorted 2 and 3.....₩ gr. $3.25
Wood head.....50&10%

Glue—

Dodd's Liquid Glue.....25&25&10%
Le Pages Liquid.....25&25&10%

Glue Pots—

Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy"....60%
Enameled.....45@50%
Tinned.....40@50%

Graters—

Enterprise.....25%

Grindstones—

Family, 6 in.....₩ doz. $4.90
Family, 7 in. and 8 in....₩ doz. $6.00
Family, 9 in. and 10 in..₩ doz. $6 75
Loose Grindstones, 30 to 200 lbs., $7.00 ₩ ton f. o. b. quarry.
Millers Falls.....25%
Mounted Grindstones:
No. 1, each.....$1.65
No. 2, each.....$1.50
No 3, each.....$1.35
New York Pattern.....20%
Ohio Pattern.....10%

Grindstone Fixtures—

Howard Iron Co.....30%
Moore's.....55&10%
P. S. & W. Co.....50&10&10%
Russell & Erwin.....70&10%
Sargent's Patent..70&10@70&10&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
'96 List.....60&20%
Upson & Wooding.....40%
Wright's Animal Tether.....30%

Hammers—

HANDLED HAMMERS—

Atha Tool Co.....50&10@60%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&10%
C. Hammond & Son. List..40&10@50%
Humason & Beckley.....50@50&10%
Dunlap's Patent.....25%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40&10%
Maydole's.....33⅓&5@40&5&5%
Peck, Stow & Wilcox.....40@40&5%
Fayette R. Plumb:
Artisan's Choice, A. E. Nail 40&12½%
Engineers & B. S. Hand....40&15%
Y. & P., A. E. Nail.....40&12½%
Other Brands.....40&10@60%
Sargent's New List.....45@50%
Verree.....50&10@70%
Warner & Nobles New List..25&10%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb...₩ lb 40c
3 to 5 lb.....₩ lb 36c } 75@75&10%
Over 5 lb.....₩ lb 30c
Wilkinson's Smiths....9½c@10c ₩ lb

Hammock Ropes—

Covert Mfg. Co.....45%
Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—

Chest Handles, Sargent's..50&10@50&10&10%
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.08	1.35	1.50

60&10@60%
Drawer Handles.....60%
Ring Handles.....70%
Roggin's Latches.....50&10@60%
Shelf Box Handles.....65%
Trunk Handles.....60%
Tub Handles.....50&10%

STORE DOOR HANDLES.—

Bronzed, with Cylinder Lock....50%
Bronzed.....60&10@66⅔%
Japanned, with Nuts.....$1.65
Japanned, with Plate.....$1.10
Japanned, without Plate.....80c

DOOR PULL—

Bar.....60@60&10%
Barn Door.....50&10%
Chest and Lifting.....60@60&10%
Drawer Pulls.....50&10@60%
Plain B. M.....60@60&10%
Push Plates, Sargent's List..60@70&10%
Sash Pull Plates.....70&10%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%

WOOD—

Auger, assorted.....₩ gr. $2.25@2.50
Auger, large.....₩ gr. $3.00@3.25
Auger, Douglass', Pat. ₩ set, No. 1, $1.00; No. 2, $1.40
Auger Ives', Pat. No. 1, 60&10% No. 2 to 33⅓%.....40%
Auger, Swan's, Pat. ₩ set, No. 3, $1.00; No. 4, $1.25.....25&10%
Brad Awl.....₩ gr. $1.75@2.00
Chisel Worcester Leather Cap'd 1.50
File, assorted.....₩ gr. $1.20@1.40
Firmer Chisel, Apple ass'd ₩ gr. $1.25@2.50
Firmer Chisel, Apple large ₩ gr. $2.75@3.00
Firmer Chisel, Hickory ass'd ₩ gr. $2.00@2.25
Firmer Chisel, Hickory, large, ₩ gr. $2.50@2.75
Firmer Chisel, Socket ass'd ₩ gr. $2.00@2.25
Hammer, Hatchet, Axe, Sledge, etc.....50&2%
Hoe, Rake and Fork 60&10@60&10&5%
Saw and Plane.....40&10@50%
Shovel and Spade, Wood D Hdle. 60@60&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....60&10@60&10&10%
Barn Door, New England.70@70&10%
Barry, $6.00.....50&10%
Best Anti-Friction.60&10@60&10&5%
Challenge, Barn Door.....50%
Climax Anti-Friction.....55%
Cronk's Roller Bearing, No. 4, $18.00; No. 5, $26.00.....60&10&10%
Cronk's Steel cov'd Loose Axle. 60&10&10%
Davis Parlor Door.....50@50&5%
Duplex (Wood Track).....60&10&5%
Kidder's.....50@50&10%
Lanes Barn Door:
Covered.....60&10%
No. 50.....60&5%
New Model.....40&10%
Parlor, Standard.....40&10%
Standard.....60&10%
McKinney's "None Better," $18.00 dozen pairs.....60&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....33%
Reed's Steel Arm.....50%
Rider & Wooster, No. 1, 65c.; No. 2, 75c.....40%
Richards' Single Track, Steel.50&10%
Star.....50&10&10%
Stearns' Challenge.....50@50&5%
Sterling's Impr'd.60&10@60&10&10%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
The Boss.....60&10@60&10&5%
Universal Anti-Friction.....40%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4, $35.00.60&10&10%
Warner's Pat.....20&10&10%

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Wild West, 4 in. Wheel.....50%
Zenith for Wood Track.....55%

Harness Snaps—

See Snaps.

Hasps and Staples—

McKinney's "Perfect," $1.10 ₱ doz.....40&10%
Wrought.....85&10@85&10&5%

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Lightning, from jobbers, $4.00@$6.25
Wadsworth's.....40&5@40&5&7½%

Hedge Shears—

Wm. Wilkinson & Sons.....50%

Hinges—

WROUGHT IRON HINGES—

Corrugated Strap and T. 7½@75&5%
Rolled Blind Hinges Nos. 33 and 34 50&10@50&10&5%
Rolled Plate..... } 70&10@70&10&5%
Rolled Raised.... }
Plate Hinges "Providence" 6 to 12 in. ₱ D, 5c. 14 to 36 in. ₱ D, 4c.
Screw Hook and Strap. { 6 to 12 in., ₱ D 2¼ @2½c / 14 to 20 in., ₱ D 2 @2½c / 22 to 36 in., ₱ D 1¾ @2 c
Strap and T..... .....7½@75&5%

SPRING HINGES—

Acme.....30@10%
American.....20%
Bommer's.....40%
Bardsley's Patent Checking.....15%
Chicago.....30%
Crown.....30%
Champion.....60%
Devore's No. 1.....₱ gr. $13.00
Geer's Spring and Blank Butts...40%
Gem.....30&10%
Keil's American.....30%
Matchless No. 10.....70%
New Idea, No. 1, ₱ gro.....$7.00
New Idea, No. 2, ₱ gro.....$18.00
Oxford.....30&10%
Rex.....₱ gr. $13.00
Royal Japanned.....66⅔%
Rubber.....66⅔%
Sargent's List 1894:
Bronze Metal.....75&10%
Japanned Surface, Single..70&10%
Japanned Surface, Double..60&10%
Mortise.....55%
Model.....70@70&10&10%
Tuscan Surface, Single.....7 %
Tuscan Surface, Double.....70%
Vigilant.....50&10@50&10&10%
Union Spring Hinge Co.'s list, March, 1894.....20%
Union Mfg. Co.....25%
Wiles' No. 1, ₱ gr., $16.00; No. 2, $13.00

GATE HINGES—

Automatic.....₱ doz $13.50, 50%
Common Sense..₱ doz pair $4.50, 50%
Clark's Nos. 1, 2, 3.....70&10&5%
Long's Self Closing.....50%
N. E...₱ doz $7.80.....60@60&10%
N. E. Reversible.....₱ doz $5.60 60@60&10%
N. Y. State..₱ doz $4.90...6.@60&10%
Reed's Latch and Hinges...₱ doz $13.00, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3.60&10@60&10 &5%
Western, ₱ doz $4.20.....60@60&10%

BLIND HINGES—

Clark's:
Lull & Porter, Nos. 0, 1, 1¼, 2, 2½, 3.....60&10%
Mortise Gravity.....50%
Nos. 1, 2, 3.....30&10%
Nos 40 and 50.....30%
Huffer.....65%
Parker.....75@75&10%
Sargent's Nos. 1, 2, 3, 11, 12, 75@75&10%
Shepard's:
Buffalo.....60&10&5%
Clark's "Victor".....60@30&10%
Niagara.....30&10%
Noiseless.....30%
O. S. Lull & Porter.....60&10&5%
Stanley's Steel Gravity Blind Hinges, ₱ doz. sets $1.80.....40&10%

Hitching Cords—

Covert Mfg. Co.....45%

Hoes—

HANDLED—

Crescent Cultivator, 6 in. ₱ doz. $3.75 net
Crescent Cultivator, 7 in. ₱ doz. $4.00 net
Crescent Double-Bit ₱ doz. $4.00 net
Cruciole Cut-Easy..₱ doz. $4.50 net
Cotton.....30&12½%
Dunlap's Boys', Ladies', Toy.....8%
Garden, Mortar, &c.....75@25%
Iowa Crucible Socket.....75&25%
Magic.....₱ doz $4.00
Mattock Hoe.....₱ doz. $4.00 net
Planter's.....30&20%
Texas Cut Easy.....₱ doz. $4.25 net
Warren Hoe.....60&10%

EYE—

American Axe & Tool Co.....70%
Grub.....50&10@70&5%
Lane's:
Crescent Planters Pat.....45&5%
Razor Blade, Scovil Pat.....30&5%
Sandusky Tool Co., S. & O. Pat. 60@60&10%
D. & H. Scovil.....30@30%

Hog Rings and Ringers—

Hill's:
Rings.....₱ gr. boxes..$3.60@$4.00
Rivers.....₱ doz. 50@65c
Perfect Rings.....₱ gro. 90c
Perfect Ringers.....₱ doz. $1.00

Hollow Ware—

IRON—

Granite and Agate-Ware...40&10%
Ironclad Enameled-Ware.60&10&10%
Rustless Hollow-Ware....50@50&5%
Stove Hollow-ware:
Ground.....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Boilers and Saucepans....62½@65%
Maslin Kettles.....75&5@75&10&5%
Tinned Boilers and Saucepans.... 60&5@60&10%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Hartford Silver-Plate Co.....40&5%
Holmes & Edwards Silver Co. 40&10&5%
Meriden Britannia Co.....40&5%
Reed & Barton.....40&5%
Rogers & Brother.....40&5%
Simpson, Hall, Miller & Co....40&5%
William Rogers Mfg. Co.....40&10%

Hooks—

BUSH—

Jennings & Griffin's.....40&10%
Light ₱ doz. $5.00: Medium ₱ doz. $5.50; Heavy $6.00

CAST IRON—

Bird Cage, Sargent's list...60&10&10%
Bird Cage, Reading.....60@60&10%
Bird Cage, Williamson.....50%
Ceiling, Sargent's list.....50&10%
Chandelier.....70%
Clothes Line, Sargent's list...50&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading.....60&10%
Coat and Hat, Moore's.....70%
Harness, Sargent's list....50@50&10%
Lamp.....55%
Picture.....75%
Screw Hat.....70%
Wardrobe.....55%

WROUGHT IRON—

Cotton.....₱ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Hammock Hooks, E. C. Stearns, ₱ doz.....60c
Picture, T. & S. Mfg. Co.....75%
Tassel, T. & S. Mfg. Co.....50&10%
Wrought Staples, Hooks, &c. See Wrought Goods.

MEAT—

Enterprise.....33⅓%
Wm. Johnson's:
8 in.....₱ doz. $2.20 net
10 in.....₱ doz. $3.70 net

WIRE—

Atlas Coat and Hat.....50@50&10%
Belt.....80@30&10%
Handy Coat and Hat.....70%
Steady Ceiling.....70%
Wire Coat and Hat, Acme...60&10%
Wire Coat and Hat, Gem.....70%
Wire Coat and Hat, Standard....45%

MISCELLANEOUS—

Carpenter's Amo. Grass Hooks, ₱ doz. $4.00
Covert's Saddlery Works:
Self-locking Gate and Door Hooks.....60&30%
Dunlap's Merchandise.....25%
Grass, No. 2, $1.60; 3, $1.80; 4, $2.00
Hooks and Eyes—Brass.....70&10%
Hooks and Eyes—Mal. Iron.....75%
Wm. Johnson's Cotton, Box and Hay.....60%
Moores':
Clothes Line.....70%
Harness.....70%
Hotel & School House.....70%
Whiffletree.....₱ D 4¾c

Horse Nails—

	Nos. 6	7	8	9	10
A. C.	28c	28c	28c	21c	21c.

40&10%
American, all sizes, 9½@10c.....net
Ausable.....28c 26c 25c 24c 23c. 40&10&5%
Anchor.....28c 21c 28c 19c 18c.....40%
C. B. K.....28c 28c 28c 21c. 21c 40%
Capewell...19c 18c 17c 15c 16c..10&5%
Champlain..28c 28c 28c 24c 23c 40&5&2%
Clinton Fin.19c 17c 19c 15c 14c. 50&10&5%
Empire Bronsed.....10c
Essex.....28c 28c 28c 24c 23c. 40&10@50%
Lyra....9½c 9½c 9½c 9½c 9½c., net
Maud S....28c 28c 28c 21c. 21c 50&10&5%
Northw't'n.28c 28c 28c 21c 20c. 25@25&5%
Putnam....28c 21c 20c 19c 18c....15%
Snowden, 9½c 9½c 9½c 9½c 9½c., net
Vulcan.....28c 21c 20c 19c 18c.....25%
Western, 5 to 10d.....9c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co.....45%

Hose, Rubber—

Boston Belting Co.:
"Boston".....50&10&5%
"Imperial".....30&5%
Competition.....75@75&10%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Standard.....70&10@70&10&5%

Ice Awls, Chippers, &c.—

Copeland Ice Pick....₱ gr $9.00 net
Crown.....net
Dunlap's:
No. 1.....$3.50 per doz 20%
No. 20.....$12.00 per doz 20%
Gem Ice Shave.....net
Sargent's Ice Awls.....55%
Star.....net

Ice Shredders—

Enterprise, No. 33, ₱ doz. $7.20..25%
No. 34.....₱ doz. $15.00..25%

Jack Screws—

See Screws.

Kettles—

Spun Brass, Plain.....15@30%
Spun Brass, plated inside with White Metal.....10@15%

Knives—

Ames':
Bread Knives. ₱ doz. $1.50...20@25%
Butcher Knives.....25@25&10%
Shoe Knives.....2%@30%
Dunlap Kitchen and Br'd Knives 25%
Foster Bros.' Butcher, &c.....40%
Goodell's:
Bread Knives Ass'n list.....net
Butcher.....25%
Shoe Knives.....40%
Hay and Straw, see Hay Knives.
Nichols' Butcher Knives.....50%
Table and Pocket, see Cutlery.
Wilson's Butcher Knives..25@25&5%

Knobs—

Bardsley's Wood Door, Shutter and Base.....15%
Base, Rubber Tip, 2½ in. Bead, ₱ gr.....$1.25@$1.50
Carriage, Jap.....₱ gro. 80c, 60&10%
Door Knobs, Hemacite.....50&10%
Door Mineral.....₱ doz. 55@60c
Door Por. Jap'd.....₱ doz. 65@70c
Door Por. Nickel..₱ doz..$1.70@1.80
Drawer, Porcelain.60&10@60&10&10%
Picture, Hemacite.....50&10%
Picture, Judd's.....50&10&10%
Picture, Sargent's.....70&10%
Shutter, Porcelain.....70%
Yale & Towne Wood, list Dec. '95. 40%

Ladles, Melting—

Monroe's Pat.....₱ doz $4.00, 40%
P. S. & W.....35&10@40%
Reading.....50&10%
Sargent's.....60@60&10%
Warner's.....30%

Latches—

Cronk's Sliding Door.....60%
Lane's Barn Door.....40%

Lawn Mowers—

Champion.....75&10%
Continental.....60&10%
Drexel Cheap Mowers.....net
Enterprise.....40%
Genuine Philadelphia Mowers:
C. K. L.....70&10%
Styles A., and E.....60&10%
Styles, D., D. O. W., M., S., T., Great American.....70&10%
Imperial.....60&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%
New Easy.....60&10@60&10&10%
New York.....60&10%
Pennsylvania.....60&10%
Rapid Transit.....70&10&10%
Standard.....60&10%
Sunbeam.....60&10%

Lawn Sprinklers—

Enterprise.....25%
Gibbe' Arc.....₱ doz. $10.00
Gibbe' Hustler.....₱ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3. ₱ doz. $12.00 $15.00 $24.00..35%

Lemon Squeezers—

Berger Bros. ₱ doz. 3-in. $1.00: 10-in. $1.40.....20%
Dean's, Nos. 1, ₱ doz. $6.50; 2, $3.25 3, $1.65; Queen $3.50 net
Dunlap's Improved ₱ doz. $3.75 20%
Hotchkiss, Straight Flush ₱ doz. $2.80
Jennings' Star...₱ doz. $1.90@$2.40
Little Giant.....50@50&5%
Porc. Lined, Iron.....$3.25@$3.50
Porc. Lined, Wood....₱ doz. $6.00 20&10@40%
Wood, Common ₱ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.

Letter Box Plates—

Name Door Plate.....50@50&10%
Name Plate.....70%
Number Door Plate.....60@60&10%
Sargent's.....60&10@70%

Levels—

C. E. Jennings & Co.'s:
Hexagon.....25&10%
Iron Bench, new design....25&10%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's.50%
Cotton Chalk, 20 feet.....60&10%
Cotton Trot.....33⅓%
Masons':
Colored Cotton.....40&10%
Flax.....40&10%
No. 0 to 6.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₱ gro.....25%
Ventilator Cord, Samson Braided, White or Drab Cot. ₱ doz. $7.50. 20%
Wire Clothes, 100 feet, No. 18, $2.25; No. 19, $2.00; No. 20, $1.75

Locks—

DOOR LOCKS, LATCHES, &c.—

Barnes Mfg Co.....40@40&10%
Branford Lock Co.....net prices
Brooklyn Latches.....60&10%
Champion Night Latches.....40%
Dietz Flat Key.....30%
Mallory, Wheeler & Co...60&10@70%
Norwalk Lock Co.....60&10%
Plate.....33⅓%
R. & E. Mfg. Co.....60&10@70%
Reading Hdw. Co.....60@60&10%
Romer's Night Latches.....20&5%
Sargent & Co.....60&10@60&10&10%
Slaymaker, Barry Co.'s: Corrugated Key Latch.....35&5% All other Night Latches.....40%
Yale.....net prices

CABINET—

Barnes Mfg. Co.....40@40&10%
Dietz:
Nos. 22 to 39.....40%
Nos. 41 to 78.....45%
Nos. 87 to 96.....30%
Eagle Lock Co.....45&5%
Charles Parker Co.....45&5%
Romer's.....35%
Stoddard Lock Co.....30@33⅓%
Yale.....45&5%

PADLOCKS—

Acme Bicycle and Satchel per doz. $9.00.....40%
Ames Sword Co.....40%
Barnes Mfg. Co.....50@50&10%
Champion.....40%
A. E. Dietz.....40%
Eagle.....40%
Eureka, Eagle Lock Co.....40&5%
Gem, Corbin's.....40&5%
Romer's Nos. 0 to 9.....40&5%
Scandinavian.....30&40@30&40&10%
Smith & Egge Bicycle.....50%
Wrought Iron.....75@30%
Yale Lock Co.....net prices

TRUNK—

Corbin's.....25%
Eagle.....25%

Mallets—

Sargent's List
Hickory.....5@25&10%
Lignumvitæ.....60@25&10%
Raw-Hide.....40&10%

Mattocks—

Regular list.....70@70&10%

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Meat Cutters—

American.....30%
Nos....1 2 3 4 5 6
Each..$5 $7 $10 $25 $50 $60
Beef Shavers (Enterprise).....30%
Chadborn's Smoked Beef Cutter, ₩ doz $40.00
Dixon's.....₩ doz 33⅓%
Nos..... 1 2 3 4
$14 $17 $19 $30
Enterprise.....25%
Nos.....10 12 22 32 42
Each...$3 $3.50 $4 $6 $15
Hales Pattern ₩ doz.....70@70&5%
Nos.....11 12 13
$37 $38 $45
Home No. 1..₩ doz $36.....60%
Little Giant.....50&10%
Nos. 205 310 312 330 332
$35 $43 $44 $72 $68
Miles' Challenge ₩ doz...45@45&10%
Nos..... 1 2 3
$33 $30 $40
Perfection.....net
Woodruff's ₩ doz.....33⅓%
Nos.....100 150
$15 $18

Metals, Friction—

Magnolia, ₩ ℔.....25c
Less 20 to the trade, f. o. b. New York.

Molasses Gates—

Enterprise.....20%

Nails—

WIRE AND CUT NAILS—

See Trade Report for quotations.
Wire Nails and Brads, Painted, Ass'n list, May 1, 1892.....57½%
Grand Crossing Tack Co. List:
Wire Brads.....80%
Wire Nails.....80%

PICTURE—

Brass Head. Combination list, 50& 10%
Brass Head, Sargent's list, 70&10@ 70&10&5%
Niles' Patent.....40%
Porcelain Head, Comb'n list, 40&10%
Porcelain Head, Sargent's list, 50& 10%

FURNITURE—

Antique Bronze.....10%
China.....25%
Fire Gilt.....10%
Plain.....40%

Nail Pullers—

Black Hawk, per doz.....$9.00
Giant. No. 1, ₩ doz $18.00; No. 1½, $16.50; No. 2, $15.00.....30&5%
Lightning.....₩ doz $18.00, 20%
National.....40%
Pelican.....₩ doz $9.00, 15&10%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Buck Bros.....27½%
Cannon's Diam'd Point ₩ gr. $12, 25%
Dunlap's.....20%
Humason's.....50&10%
Hunters' Cup Point Knurled.... ₩ gro. $10.00
Hunters' Cup Point, Plain.... ₩ gro. $9.00
Round, assorted.....₩ gr. $3.00@3.25
Square.....₩ gr. $4.00@4.25

Nippers—

Acme.....50%
Smith's Cutting.....50%
Todd's Cutting.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..40%
Turner & Seymour Mfg. Co.....60%

Nuts—

Cold Punched, Square, off list. $5 40
Hex, off list.....$5 70
Hot Pressed, Square, off list..$5.90
Hex, off list.....$6.70
Tapped.....50%

Oilers—

Brass and Copper.....50&10%
Cushman & Denison's:
Pocket Oilers.....₩ doz. $1.55
Star Pocket Oilers..... .75
Draper's:
Brass.....7 &10%
Steel.....70&10%
Malleable. Hammers, New Style, 10@10&5%
Malleable, Hammers, Old Pattern, same list.....50&10%
"Paragon," Brass.....50&10@60%
"Paragon," Zinc.....70@70&10%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....75%
Zinc and Tin.....70&10@75%

Oil Stones, etc.—

OIL STONES—

Pikes Washita:
Lily White, ₩ ℔.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔..... .50
No. 1..... .40
No. 2..... .30

Pike's Washita Round Edge Slips: 3 to 5x1¼ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔..... .70
Discount 33⅓%.
Pike's Washita Monnted No. 1:
8x2, ₩ doz.....$12.00
7x2, " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ ℔..... .24
" 2x2x½, extra selected.. .40
Discount 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....50%
"Excelsior" Self-Vulcanising, per ℔ 70c.....40%
Boston "Phoenix" Red Sheet, per ℔.....50c.net
Extra.....60&5@60&10&5%
Standard, Fair Quality..70&10@75%

MISCELLANEOUS—

American Packing.....9c@10c ₩ ℔
Cotton Packing.....14c@15c ₩ ℔
Italian Packing.....12c@14c ₩ ℔
Jute.....6c@7c ₩ ℔
Russian Packing.....13c@14c ₩ ℔

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 8.50
Dandy.....each 7.50
Eureka, 1898.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Gold Medal.....₩ doz 4.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 12.50
New Lightning.....₩ doz 5.50
Oriole.....₩ doz 4.00
Penn.....₩ doz 8.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Rocking Table.....₩ doz 5.50
Scott's Pat. Rotary, ₩ doz $15.00, 20%
Turntable.....₩ doz 4.50
Victor.....₩ doz 12.50
Waverly.....₩ doz 8.75
White Mountain.....₩ doz 4.00

POTATO—

Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 12.50
Saratoga.....₩ doz 5.50
White Mountain.....₩ doz $4.50

Pencils—

Dixon's:
Carpenters'.....₩ gr. $4.00@7.50
Carpenter, Yellow or Brown Lead.....₩ gro. 9.00
Lead.....₩ gro $4.50
Lumber.....₩ gro. 6.87
Mascot, Hexagon.....₩ gro. 4.88
Mascot, Round.....₩ gro. 3.10

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $15.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Bailey's (Stanley R. & L. Co.) 60&10@50&10&10%
Bench, First Quality.....55%
Bench, Second Quality....60@60&10%
Fales Bench.....25%
C. E. Jennings & Co.....50&10%
Molding.....50%

IRON PLANES—

Chaplin's Iron Planes.....50&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting.....35%
C. E. Jennings & Co., Iron...50&10%
Meriden Mal. Iron Co.'s..40@40&10%
Sargent's.....60@60&10%
Siegley's:
Bench.....40%
Combination, each.....$4.50 net
Standard Tool Co.....50@50&5%
Stanley Rule & Level Co.:
Bailey's...50&10&10@50&10&10&5%
Miscellaneous.....25&10%
Steer's Iron Planes..50&10@50&10&5

PLANE IRONS—

Auburn "Thistle"..... Ohio..... Sandusky.....} 30&10@40%
Buck Bros.....60%
Butcher's.....$5.00@$5.25 to £
Hinsdale.....25&10%
C. E. Jennings & Co.....25&10%
Stanley Rule & Level Co.....50&10%
L. & I. J. White.....30&5@25%

Pliers and Nippers—

Button's.....70&10@70&10&5%
Carew's Pat. Wire Cutters.....25%
Cronk's:
Button Pattern.....70%
Gas Pliers, No. 100.....40%
Stubb's Pat Pliers.....50%
Hall's Nippers, ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00....40&10%
Hall's Pliers.....70%
Humason & Beckley Mfg. Co.50@50 &10%
Wm. Johnson's Gas Pliers.....66⅔%
Morrill's Parallel, ₩ doz $13.00 30&5%
Smith's Side Cutting.....25%
Stubs'.....20%
Swiss Pliers.....25%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6⅔ dis. 10%

Plumbs and Levels—

Cook's.....40&10&10%
Davis':
Inclinometers.....20%
Iron Levels.....25&10%
Disston's.....50%
Wm. Johnson's.....75%
Plumb Bobs.....40%
Pocket Levels.....70&10&10@75&10%
Stanley's.....75&10&10%
Stanley's Duplex.....25&10%
Wood's Extension Sight.....33⅓%

Poachers—

See Egg Poachers.

Police Goods—

J. P. Lovell's Police Goods.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $36.00 ₩ doz.....10%
Tower & Lyon's.....25%

Polish, Metal—

Prestoline Liquid, New List.....40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Dixon's Plumbago.....₩ ℔ 8c
Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75

Poppers, Corn—

Round or square, 1 qt., ₩ doz. $ .75; ₩ gr. $6.50 } 10@ 1½ qt. ₩ doz. $ .85; ₩ gr. $8.00 } 15% 2 qt., ₩ doz. $1.15; ₩ gr. $12 00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3 00; 2 qt., $4 00.....33⅓%

Post Hole Diggers—

Ryan's.....₩ doz., $20.00, 25%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Cronk's Pruning Shears.....33⅓%
Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%
Disston's Pruning Hook....₩ doz $12.00, 25@25&10%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
Henry's Pruning Shears ₩ doz $3.50@$3.75
E. S. Lee & Co.'s Pruning Tools.40%
P. S. & W. Co.'s Shears.....60%
Pruning Shears, Henry's Pat. ₩ doz.....$3.50@3.75
Waters Tree Pruners.....75&10%
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%

Pulleys

Awning.....60@60&10%
Axle.....60&10@60&10 &10%
Brass Screw.....66⅔@70%
Ceiling.....50@10&10%
Clothes Line, Japanned..60@60&10%
Common Sense.....60%
Dumb Waiter.....60@60&10%
Empire Sash Pulley.....60%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%
Hot House.....50&10@50&10&10%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%
Side, Anti-Friction.....50%
Shade Rack.....45%
Upright.....50&10@50&10&10%

Pumps—

Cistern, Best grades..65&10@70&10%
Pitcher Spout, Best grades 75&10@80%
Pitcher Spout, Cheaper Goods. 30&5@30&10%
F. E. Myers & Bro.:
No. 1, Fig. 398, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig. 396, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14, Fig. 531, 3 in. Deep Shallow Well Pump.....$15.00
No. 22, Fig. 528, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 103, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 399, Windmill Pump.....$12.50
No. 230, Fig. 403, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 280 Fig. 494, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 512, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 493, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 312, Fig. 477, Spray Pump complete.....$11.50
No. 320. Fig. 493, Bucket Spray Pump.....$6.50
No. 33 , Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Bemis & Call Co.'s:
Cast Steel Drive.....50@5&
Check.....55%
Spring.....50&5%
Springfield Socket.....65%
Morrill's Universal.....35%
Niagara Hollow.....45%
Niagara Solid.....55%
Rand's Centering Marking Tool..15%
Rice's Hand.....15%
Saddlers' or Drive, good ₩ doz..60@65%
Spring, good quality, ₩ doz $1.70@1.80
Spring, Leach's Pat.....15%
Tinners' Solid, P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow, P. S. & W. Co 20&2%

Rail—

Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.95 2.40
Barn Door, "None Better" No. 1, ₩ foot.....2¾c
Barn Door, "None Better" No. 2, ₩ foot.....3¼c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Carrier Steel Rail, ₩ foot.....4½c
Cronk's:
Competition.....₩ foot, 2½c
Common.....₩ foot, 2¼c
Double Braced.....₩ foot, 2¾c
Lanes' O. N. T.....₩ 1.a ft. $ .40
Moore's Wrought Steel.....65c
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft 2½
Sliding Door, Wr't Brass, 1½ to ℔, 36c.....30&10@40&5%
Terry's Steel Rail, ₩ foot.....3½
Victor Track Rail, 7c ₩ foot 60&10&2½%

Rakes—

Cast Steel, Association goods.75&15%
Fort Madison Red Head Lawn.....$3.25
Ft. Madison Blue Head Lawn, $3.00
Gibbs':
Acme.....net ₩ doz. $4.00
Boss, Garden, 14 teeth, net ₩ doz. $2.00
Boss, Garden, 18 teeth, net ₩ doz $3.75
Canton Lawn Rake...₩ doz $3.50
Crown Lawn, No. 1....₩ doz. $3.50
Hustler, No. 0.....₩ doz. $3.80
Lawn Rake.....₩ doz. $4.75
Malleable.....70&10@75%
Onaida Lawn.....doz., $6.00
Peerless Socket and Shank..75&15%
Prize Bow-Brace.....75&15%
Queen City.....33⅓%

Razors—

Electric.....List net
J. R. Torrey Razor Co.....30%
Wostenholm and Butcher, $10.00 to $.....10%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

American Screw Co.:
Bay State Rivets.....75&5%
Burrs.....75%
Soft Steel.....50%
Copper.....60&10&5@60&10&5%
Norway, list Feb. 26, '96.....70%

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Rivet Sets—

Regular list.....70@70&10%

Rollers—

Barn Door, Sargent's list..60@10&5 10@70%
Cronk's:
Acme Barn Door.....50%
Adjustable Stay..₩ doz. $1.00 net
Screw Stay.....₩ doz. 60c net

Rope

Cotton Rope, Best, ¼ in. and larger.....₩ ℔ 14½@15c
Medium, ¼ in. and larger.....₩ ℔ 12 @13c
Common, ¼ in. and larger.....₩ ℔ 9½@10c
Jute Rope.....₩ ℔ 5½c
Manila:
7-16 in. and larger..₩ ℔ 6¼@6½c
½ in.....₩ ℔ 6¾@7 c
7-16 and 5-16 in.....₩ ℔ 7¼@7½c
Hay Rope, Med.....₩ ℔ 6½@6¾c
Sisal, ½ in.....₩ ℔ 5½c
¼ and 5-16 in.....₩ ℔ 5¾c
7-16 in. & larger.....₩ ℔ 4¾c
Med. L'th Y'rn.....₩ ℔ 4¼c
Hay Rope.....₩ ℔ 4¼c

Rules—

Athol, Steel.....33⅓%
Boxwood..5&10&10&10@50&10&10 &10&10%
Ivory.....50&10@50&10&10%
Lufkin's:
Steel.....55%
Lumber.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....35&10%

Sad Irons—

Chinese Laundry.....₩ ℔ 4½@5c
Chinese Sad.....3¼@3½c
Colebrookdale Iron Co.:
Crown, Improved Pol, ₩ doz. $6 50
Nickel.....₩ doz. $7 00
Common 4 to 10.....₩ ℔ 2½@2¼c

COLD HANDLED -

Enterprise Mfg. Co. of Pa.:
No. E 50, nickel plated, size 1, 2 or 3, with "best" handles. ₩ doz.....$7.45
No. E 50, nickel plated, size 1 2 or 3 without handles, ₩ doz.$4 45
No. E 55, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.00
No E 55, plain polished, size 1, 2 or 3 without handles, ₩ doz. 4.00
No E 60, nickel-plated, size 1, 2 or 3 with "best" handles, ₩ doz.....$8.25
No. E 6', nickel-plated, size 1. 2 or 3 without handles, ₩ dos.$5.25
No. E 60, nickel-plated, size 4, with "best" handles, ₩ doz $9.50
No. E 60, nickel-plated, size 4, without handles, ₩ doz.....$6 80
No. E 65, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.75
No. E 65, plain polished, size 1, 2 or 3 without handles, ₩ doz.$4.75
No. E 65, plain polished, size 4, with "best" handles.....$8.80
No. E 65, plain polished, size 4, without handles.....$5 80
The "Best" Handles, with Forged Iron Stretchers, ₩ doz.....$3.00
Self-heating.....₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $23.50, 25%
Sensible Nickel.....₩ doz. $7.00
Sensible Pol.....₩ doz $6.50
Sensible, Tailors'.....₩ ℔ 3@3¼c

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Emery Cloth.....50&10@60%
Garnet Paper.....30@40&5%
Sand and Emery Paper.50&10@60%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%

Sash Cord—

Cable Laid Italian Sash.....₩ ℔ 16c
Cable Laid Russia....₩ ℔ 13½c@14c
Common.....₩ ℔ 8½c@9c
Common Russia Sash.₩ ℔ 12½c@13c
India Hemp Sash.....₩ ℔ 9½c@10c
Jute, good quality.....₩ ℔ 11c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ ℔ 30c
"Samson" Braided Drab, Cotton.....₩ ℔ 35c
"Samson" Braided Italian Hemp.....₩ ℔ 38c
"Samson" Braided Linen, ₩ ℔ 55c
Silver Lake:
A Quality, Drab..₩ ℔ 55c. 35@40%
A Quality, White, ₩ ℔ 50c. 35@40%
B Quality, Drab, ₩ ℔ 35c.....15@15&7½%
B Quality, White ₩ ℔ 30c.....15@15&7½%
White Cotton Braided, ₩ ℔ 21c@23c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts Flush.....70%
Sash Lifts With Lock.....60&10&10%
Sash Rollers.....70%
Shutter Bars.....60&10@70%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%

Sash Locks—

Champion Safety.....70&10&5%
Corbin's Daisy, '95 list.....40@45%
Davis, Bronze, Barnes Mfg. Co...60%
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Ives' Patent....60&10&5@60&10&10%
Payson's Perfect.....70%
Reading.....60&10&10@70%

Sash Weights—

Small lots.....₩ ton, $30.00@$31.00
Ton lots at factory.....$18.00@$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
National Specialty Mfg. Co.....25%

Saws—

Atkin's:
Band.....50&10%
Butcher, Pruning and Compass.....40&10%
Circular.....50&10%
Cross Cut.....40&10%
Gang.....50&10%
Hand.....40&10%
Wood.....40& 0%
Disston's:
Circular.....45@50%
Cross Cuts.....40&10%
Gang.....40%
Panel, Hand & Rip.....25%
Haines' Needle Point.....40%
C. E. Jennings & Co.'s:
Butcher.....30%
Hand Panel, Rip and other Saws 25%
Peace:
Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
Richardson:
Circular and Mill.....45&10%
X Cuts.....45&10%
Hand-saw.....25&10%
Star, Butcher.....25%
Woodrough & McParlin Cross Cuts.....45&10%

HACK SAWS AND FRAMES—

Chatillon.....30%
Griffin's:
Complete.....40&10%
Saw Blades.....40&10@50%
Star, Saws and Blades.....25%

Saw Frames—

C. E. Jennings & Co.....20%
Red, Polished and Varnished...₩ doz., $1.00@$1.10
Richardson's Wood.....net
White Vermont..₩ gro..$8.50@$9.00

Saw Sets—

Atkin's:
Criterion Saw Sets. ₩ doz.....$6.00
Excelsior Saw Tools ₩ doz.....$6.00
Bemis & Call Co.'s:
Cross Cut.....30&5%
Hammer, New Pat.....45%
Plate.....30%
Spring Hammer.....30&5%
Disston's Star.....25@25&10%
Hart's Pat. Lever.....30%
Kohler's:
"Giant Royal".....₩ doz. $10.00
"Royal".....₩ doz $6.00
Leach's.....33⅓%
Morrill's:
No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Cross-cuts Nos. 3 and 4, $33.00; No. 5, $31.00.....40&20%
Richardson's.....25%
Seymour Smith & Son, Hammer, ₩ doz.....$4.75
Stillman's ₩ doz.....$1.00
Taintors Positive...$18.00 ₩ doz. 60%

Scales—

Chatillon's:
Eureka.....25%
Favorite.....40%
Grocers' Trip Scales.....50%
Family, Turnbull's.....60@80&10%
Hatch:
Counter, No. 171, ₩ doz. $17.00@$18.00
Tea, No. 161.....₩ dos. $5.75@$6.00
Union Platform Plain...$3.00@$3.10
Striped.....$3.15@$3.25

Scale Beams—

Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%
Scale Beams, List Jan. 12, '93.50&10%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....₩ dos., $3.00
Box, 2 Handle....₩ dos., $3.00@$4.00
Foot.....55&5@60&5%
Ship Common.....₩ dos., $2.40 net
Ship, R. L Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60@60&5%
Extension.....50&10&5%
Flyer.....50&10&5%
Perfection Screens.....60@60&5%
Window Screen Frames.....60&5%
Stearns':
Frames and Corners....25@25&10%
Gem Window Screen Frames, 25&10%
Monarch Adjustable Window Screens.....50%

Screen Doors—

Phillips:
Empire Fancy.....30&35%
Fancy Pine.....15%
Painted.....50&5%
Stained.....50&10%
Standard Oil.....35&40%

Screw Drivers—

Brace Screw-Drivers.....25&10&5%
Buck Bros.....30%
Screw-Drivers Bits.....27½%
Champion.....40&10%
Disston's.....5@50&5&10
Pat. Excelsior.....50&5%
Ellrich's Socket and Ratchet.40&10%
Fray's Hol. Hdle. Sets, No. 3, $12.50%
Howard-Allard.....0&10&10%
C. E. Jennings & Co.....40&10%
Jennings & Griffin.....65&10%
Wm. Johnson's:
1 5 A.....70& 6%
136½ Extra.....70%
128 Ebonized Hand'e.....70%
141½.....5%
142 Ebonized Handle.....70%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 30 and 40.....50@50&10%
Screw-Driver Bits....₩ dos., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $6.25
N. E. Specialty Co.'s.....50&10%
Stanley R. & L. Co.'s:
No. 51, Varnished Handles 70&10%
No. 80.....70&10%
Tower & Lyon:
Champion.....33⅓%
"Handy" Ratchet.....20%
Williamson's:
Beauty, ₩ dos.....$1.00 } 40%
Gem, ₩ dos.....90c }
C.T. Williamson Wire Novelty Co.40%

Screws—

WOOD SCREWS—

Brass, Flat Head.....90%
Brass, Round Head.....85%
Bronze, Flat Head.....87½%
Bronze, Round Head.....85%
Copper, Flat Head.....65%
Copper, Round Head.....60%
Drive Screws.....90%
Iron, Bright Flat Head.....90%
Iron, Br't R'd & Oval Head.....85%
Iron, Forged Flat Head.....90%
Nickel Plated, Flat Head.....80%
Nickel Plated, Round Head....77½%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....60%

MACHINE—

Brass, Flat Head.....45%
Brass, Round Head.....40%
Iron, Flat Head.....45%
Iron, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron, ₩ doz., 1 in., $2.25; 1¼, $3.00; 1½, $3.50
Bench, Wood, Beech. ₩ doz $2.00@$2.50
Chair.....60&10%
Coach.....82½%
Hand Rail Atm. Screw Co.....82½%
Hand Rail, H. & B. Mfg. Co.....80%
Hand Rail, Sargent's.....70@70&10%
Hand, Wood.....30&10@40%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W..40@40&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'.....40&10%
Lag Blunt Point, list Jan. 1, 1890. 75&2½@80&10%
Piano Stool.....60&10%

Scroll Saws—

Barnes' No. 1, $8; No. 6, $10; No. 7 $15.....25%
Barnes Scroll Saw Blades.....40%
Cricket.....10&10%
C. E. Jennings & Co.....20%
Lester, complete, $10.00.....1%&10%
Rogers, complete, $4.00.....15&10%

Scythes—

Grain.....50&10%
Grass.....50&10%
Scythe Snaths.....50&10@50&10&5%

Seeders—

Raisin, Enterprise.....25%

Shaft Couplings -

Bradley's:
Buggy, No. 8, ₩ Set.....$1.25
Surrey, No. 9, ₩ Set.....$2.00

Shears—

Acme (Cast).....40@40&5%
Ætna, Steel Japanned.....50%
Ætna, Steel Nickeled.....70&20%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Clauss:
Nickel.....60%
Japanned.....70%
Davenport Cutlery Co.'s...60@60&10
Heinisch's List, Dec. 1881. 80&10&10@70%
Tailor's Shears.....25&15@40%
Pruning. See Pr'ning H'ks & Shears.
Seymour's List, Dec., 1881. 60&10@60&10&10%
Wiss & Sons:
Japanned.....70%
Nickeled.....60
Tailors' Shears.....50&10%
Tin Snips.....45%

Sheaves—

SLIDING DOOR—

Corbin's list.....60&10&2%
Hatfield's Pattern.....70&10@80%
M. W. Co., list July, 1892.40&10@60&5%
Moore's Anti-Friction.....50%
Patent Roller.....60&10@60&10&5%
R. & E., list August 15, 1895. 60&10@60&10&5%
Russell's Anti-Friction, list Dec. 18, 1895.....60&2%

SLIDING SHUTTER—

Reading list.....60%
R. & E. Mfg. Co.'s.....60@60&10%
Sargent's list.....60@60&10%

Shoes, Horse, Mule, &c.—

HORSE—

Bryden's Frog Pressure.....$4.00
Burden's, Perkins', Phœnix and Bryden's, from jobb'rs..$3.15@$3.40
Perkins Steel Side Weight Hind $3.15@$3 40
Perkins Improved Snow.....₩ ℔ 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ ℔ 9c
1000 ℔ lots.....₩ ℔ 9½c
500 ℔ lots.....₩ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

O. Ames & Sons:
C.S. Edge.....6@7½%
Pat. Cast Steel.....7½@10%
Blair's Cast Steel.....5%
Bouve's Steel.....10%
Carter's Cast Steel.....5%
Sanderson's Cast Steel.....5%
Stone's Cast Steel.....5%
H. M. Myers and other manufacturers are now selling at Association discounts.

Shovels and Tongs—

Brass Head.....60&10@60&10&10%
Iron Head.....60&10@60&10&5%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $10@11.50

Skate Sharpeners—

Eureka...₩ dos. $1.75; ₩ gro. $18.00

Slaw Cutters—

Enterprise.....25%
Enterprise Mfg. Co.....25%
Tucker & Dorsey:
1 Knife.....₩ gro. $15.00@$18.00
2 Knives.....₩ gro $20.0 @$27 00
Kraut Cutters.....50@50&10%
Woodrough & McParlin.....40%

Slicers—

Vegetable, Enterprise.....25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Cookeyes.....70&10%
Covert Mfg. Co.....40&20%
German, new list .40&10@40&10&10%
Fitch's (Bristol).....50%
Sargent's:
Patent Guarded.....70&10&10%
Covered Spring.....60&10%
Open Spring.....70@70&10%

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Covert Mfg. Co:
Breast Strap Buckle Snaps
Breast Strap Protector....
Double for Bits or Trace Carrier.....
Loop Eye.....
Loop Eye, Swivel.....
Open Eye.....
Round Eye.....
Round Eye, Swivel.....
45&2½ @50%
Covert Saddlery Works:
Banner.....60&20%
Triumph.....60&20%

Spoke Shaves—

Bailey's (Stanley R. & L. Co.) 50&10%
Iron.....⅋ dos. 50&10%
Millers Falls.....15&10%
Seymour Smith & Sons, Iron.....20%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%
Wood.....⅋ doz. 25&10%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10@80%
B. B. Noyes Meat Forks..50&10@60%
Buffalo S. S. & Co.....33⅓&2½
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Holmes & Edwards Silver Co..60%
L. Boardman & Son.....Catalogue "B"—net List
Meriden Brit. Co. Rogers Bros.40&15%
C. Rogers & Bros.....40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....60%
Simpson, Hall, Miller & Co.....60&5%

MISCELLANEOUS—

Boardman's:
Britannia Spoons, Catalogue "B".....net List.
Nickel Silver, Catalogue "B" net List
Britannia.....60&10%
German Silver.....60&10%
German Silver, Hall & Elton..50& 5% cash
Wm. Rogers Mfg. Co.:
18% Rogers' German Silver...60&5%
28% Rogers' Nickel Silver....60&5%
Rogers' Silver Metal.....50&10&5%

Springs—

See Door Springs.

Squares—

Disston Try Square and T Bevels. 60&10%
Starrett's Micrometer Caliper Squares.....25%
Try Square and T Bevels.60&10&5 @60&10&10%
Winterbottom's Try & Mitre.50&10%
Nickel-Plated.. } 75&10@75&1 &10
Steel and Iron.. }

Stair Rods—

Black Walnut.....60%
Brass, Oval or Hollow.....50%

Staples—

Barbed Blind—⅛, ⅝, and ¾ inch, ⅋ lb.....6c@6½c
Grand Crossing Tack Co. List: 75&10%

Stocks and Dies—

BLACKSMITH'S—

Butterfield's Goods.....35@40%
Gardner.....33⅓&10%
Lightning Screw Plate.....25%
Reece's New Screw Plates....25@30%
Waterford Goods.....35@40%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stove.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March, 25, '96.
2% cash. Market irregular and lower prices on some lines.
American Cut Tacks.....90&10%
Carpet Tacks:
American, Blued....90&10@90&10%
American, Tinned...90&10@90&20%
Leathered.....50&10%
Steel.....90&20%
Swedes, Lanc.....85&10%
Swedes, S. S.....90&20%
Swedes Iron Tacks:
Lanc.....85&10%
S. S.....90&10 &5%
Basket Tacks.....75&10%
Basket Nails.....80%
Bill Posters' and Railroad Tacks:
S. S.....90%
Brush Tacks and Nails.....70&15%
Chair Nails.....80%
Cigar Box Nails.....75%
Common and Patent Brads.....80%
Finishing Nails.....75%
Gimp Tacks:
Lanc.....85&10%
S. S.....90&15%
Hungarian Nails.....85&5%
Lace Tacks.....85%
Lanc.....80&20%
Looking Glass Tacks.....70%
Picture Frame Points.....70%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Trunk and Clout Nails:
Black.....80&5%
Tinned.....80&5@80&10&5%
Upholsterers' Tacks:
Lanc.....85&10%
S. S.....90&15%

MISCELLANEOUS—

Bill Nye Brad Box.....⅋ box $4.00
Bill Nye, Jr., Brad Box..⅋ box $2.00
Bonnie Blue.....⅋ box $1.50
Can Opener Carpet Tacks.⅋ gr $4.00
Double Point..90&10&10&10&10&10%
Hammer Carpet Tacks...⅋ gr. $4.50
Miniature Keg Tacks..66⅔&33⅓&& 10&10&2%
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓&& 10&2%

Tack Pullers—

Columbia, No. 1, per doz., net,....$1
" " 2, " " ...1.50
Little Jack.....⅋ doz. $1.00

Tapes, Measuring—

American .....40&10@50%
Chestermans. .....30@3 &5%
Keuffel & Esser Co 25%
Lufkin's Steel and metallic.....40%

Taps—

American Screw Co.
Machine Screw.....70%
Blacksmiths' Taper.....50&10@60%
Hand and Machine.....50&10@60%
Pipe.....80%

Telephones—

Union Electric Co.:
Letter A, Complete....each, $16.00
Letter B, for Warehouse..each, $8.50
F. o. b. cars Cleveland.

Tin, Perforated—

Harrington & King Perforating Co.:
IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.50	$1.55
2	$9.00	$1.55
3	$8.25	$1.35
4	$7.75	$1.30
5	$7.70	$1.30
5½	$7.25	$1.20
6	$7.00	$1.15
7	$7.00	$1.10
8	$6.75	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&25%

Tobacco Cutters—

National Specialty Co.....30&5%

Trammel Points—

Backus and Union.....40%
C. E. Jennings & Co., "Eureka".25%
Cook's.....25%
Sargent's.....70&10@70&10&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Prentiss'.....30@35%

Tracks, &c.—

F. E. Myers & Bro.:
Comb. Car., Double Steel T...$3.50
Comb., Car., Wood Track....$3.25
Common 6 in. Wood Sheave Pulley, Fig. 433, ⅋ dos.....$1.65
D. H. Fork, Steel Regular, e'ch .75
Double Grapple Fork, each...$3.25
Double Rail Steel Track complete with clamps, ⅋ ft..... .09
Faultless Steel Frame K. P Pulley, Fig. 435, ⅋ doz.....$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ⅋ doz.$1.75
Floor Hooks, ¾ in. ⅋ dos. ... .65
Floor Pulley, Wood Sheave, Fig. 486, ⅋ dos.....$3.00
Hanging Hooks for Double Steel Track, ⅋ dos..... .80
Hanging Hooks for Single Steel Track, ⅋ dos..... .60
Hanging Hooks for Wood Track, 10 in. ⅋ dos..... .45
Hanging Hooks for Wood Track, 14 in., ⅋ dos..... .55
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ⅋ doz.$3.00
Malleable Rafter Brackets, ⅋ doz..... .45
Nellis Fork, each.....$1.50
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
New Myers Iron Rod Car.....$3.75
Reed Wood Frame Pulley with Hook, Fig. 494, ⅋ doz.....$3.25
Rev. Car., Double Steel Track $3.50
Rev. Car., Wood Track.....$3.25
Rope Hitch, ⅋ dos.....$1.75
Single rail Car, Single Steel T.$3.50
Single Rail Steel Track with clamps, ⅋ ft..... .09
Sprouts Shear Fork, each....$1.40
Steel Frame Pulley with Iron Sheave, Fig. 555, ⅋ doz.....$1.50
Sure Grip Sling Car., Steel or Wood Track.....$3.00
Walker Fork, each.....$1.15
Wrought Rafter Brackets, ⅋ doz..... .45

Transom Lifters—

Ajax.....50&10@50&10&5%
Bronze Metal, with Safety Spg. 5 @ 0&10%
Crescent.....70@7 &10%
Dicksons.....60%
Nickel Plated.....50&10%
Payson's Solid Grip, Nos. 3?8 and 304.....⅋ 10.0, $12.00
Shaw's:
Copper Finished.....8?&10%
Lever.....70@70&10%

Traps—

GAME—

Blake's Patent.....60@60&10%
Enterprise Mole.....15%
Newhouse.....40&10@50&5%
Oneida Pattern.....75&5@7?&10%

MOUSE AND RAT—

Enterprise Mfg. Co., Mole.....1?%
Erie Rat.....40@4?&10%
Household.....⅋ gr $10.00
Hotchkiss:
Metallic Mouse,.....⅋ doz. 65c
Improved Rat.....⅋ gross, $12.50
New Rat.....⅋ gross, $12.50
Mouse, Bonanza.....⅋ doz 90c@$1.00
Mouse, Catch-'em-alive ⅋ d z $2.50,15%
Mouse, Delusion.....40%
Mouse, Ideal.....⅋ gr $9.00
Mouse, Round Wire, ⅋ dos $1.50, 10%
Mouse, Wood, Choker, ⅋ dos holes 10c@90c
Schuyler Rat Killer, No. 1 ⅋ gro. $12.50; No. 2 ⅋ gro., $15.00
Smith & Egge Mfg. Co:
Superior Rat Trap, ⅋ dos....$15.00
Yankee Mouse Trap, ⅋ doz.. $6.50
Yankee Rat Trap, ⅋ dos.....$11.00

FLY-

Balloon, ⅋ dos $1.25.....⅋ gr. $13.50
Electric Rod.....⅋ gr. $16.50
Globe.....⅋ doz., $1.25; ⅋ gr. $13.50
Harper....⅋ doz., $1.75; ⅋ gr. $16.50

Trowels—

Brade's Brick.....35@33⅓%
Disston's:
Brick.....8?%
Plastering.....25%
Pointing.....30%
C. E. Jennings & Co.:
Brick.....30%
Plastering.....25%
Pointing.....30%
Wm. Johnson's:
Brick.....40%
Plastering.....40%
Pointing.....40%
W. & M. P. Plastering....35@25&10%
Peace's Plastering.....25@25&5%
Richardson.....35@25&10%
"Rose" Brick Plastering and Moulders.....30@30&10%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vegetable Slicers—

Enterprise Mfg. Co. 25%

Vises—

Solid Box.....50&10@60%

PARALLEL—

Alligator.....50%
Armstrong's:
Combination.....50%
Plain and Hinge.....60%
Athol, Oval Slide.....66&10%
Bonney's Champion.....4?@45&10%
Fisher & Norris Double Screw 15&10%
Holland's.....40@40&10%
Howard's.....40&10%
Little Giant Bench.....25&10&5%
Lowell Hand.....33⅓%
Massey's Quick Action.....20@25%
Merrill's.....20&15%
Millers Falls, Mechanics'...net@10%
Moore's.....20%
Parker's.....20@25%
Oval Slide..... 50&10%
Victor..... 30%
Prentiss.....20@25%
Sargents.....7?&10%
Simpson's Adjustable..... 5?%
Stephens'.....20@30%
Trenton.....40&5@40&10%
Wilson'.....55%

SAW FILERS—

Bonney's Nos. 2 & 3, $15.00.....60%
Stearn's Com., No. 0, 1, 2, and 3..50%
Stearn's Rubber Jaw, Nos. 10 and 33 .....33⅓%
Wentworth's.....35%

Wads—

See Ammunition.

Wagon Jacks—

Covert's Saddlery Works:
Victor.....60&20%
Daisy..... 60&20%
Lane's Steel 30%

Washer Cutters—

Otis A. Smith's.....20&10&10%

Weather Strips—

Church's:
Axtell, Lacquered, 36 in. ⅋ doz. $5.00
Axtell, Lacquered, 42 in. ⅋ doz. $7.00
Axtell, Pol. Brass, 36 in. ⅋ dos. $12.00
Axtell, Pol. Brass, 42 in. ⅋ doz. $15.00

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ⅋ gross. $1.50@$12.00
American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft. $10.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
Americus, 98 Pen Whip, 6 ft., $6.00
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
Eureka, Two-thirds Whalebone 5½ ft., $12.00; 6 ft., $16.50 6½ ft. $18.00; 7 ft., $20.00.
Gents' Light Driving, No. 111, 6 ft.....$3.00
Gents' Light Driving, No. 108, 6 ft.....$5.00
Hand-Made Stocked Java, No. 108.....5½ ft., $3.75; 6 ft., $4.00
Hardware Assortment 10 | American, 75 Whips for.....$50.00
New Name, Stocked Java, Black and Wine Colors.....6 ft., $3.00
Team Whips....⅋ doz $2.00@$7.50
True Grip, Raw Hide Center, 4½ ft. $3.00; 5 ft., $3.00; 5½ ft., $3.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.

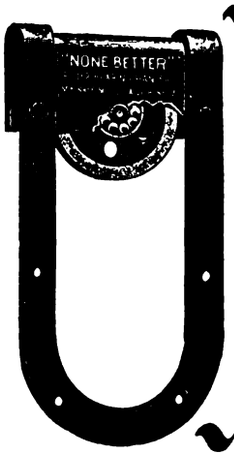
Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....35&10%

Wire and Wire Goods—

Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Brass Wire.....35%
Bright Wire Goods, Standard list 35&10@35&1? & 5%
Cast Steel Wire.....50%
Copper Wire.....45%
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&10%
Malin's Brass and Copper on Spools.....50&10%
Market Wire:
Brt. & Ann., Nos. 0 to 18..80@80&10%
Cop'd, Nos. 0 to 18, 75&10@75&10&5%
Galv., Nos. 0 to 18.75&10@75&10&5%
Tin'd, Tinned list Nos. 0 to 18.... 75&10@75&10&5%
Picture Wire.....New list 35&10%
Steel Music Wire, Nos. 13 to 20, Imported, ⅋ lb.....60@70c
Stub's Steel Wire.....$6.00 to 30%
Tate's Spooled Wire:
Annealed and Tinned .....60&10%
Copper and Brass.....50&10%
Tate's Wire Picture Cord Braided and Twisted.....35@10&10%
Tinned Broom Wire, Nos. 18 to 21, ⅋ lb.....4½c
Wire Clothes Lines, see Lines.

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STEEL DOOR HANGERS.

You can REDUCE your stock if you buy our New Hanger, as it meets every requirement, being

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on any length of track.

WE SOLICIT A SAMPLE ORDER.

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Wire Cloth, Netting, &c.—

Brass Cloth.....40@55%
Galvanized Wire Netting..80&10@80&20%
Painted Screen Cloth good quality, ₩ 100 sq. ft.,$1.15@$1.20
Steel Bolting Wire Cloth.....50@55

Wire Rope—

List.
Cast-steel.....2¼&2½&2% cash
Iron.....20&2½&2% cash
Iron, Galvanized..20&2½&2% cash

Wire Rope Clips—

Crosby.....25%

Wire Stretchers—

W. C. Heller's Grip.....₩ doz. $1.60

Wrenches—

Acme:
Bright.....60@60&10%
Heavy.....50%
Nickel.....50&10@60%
Agricultural.....80@80&10%
Aiken's Pocket (Bright)..$2.00@3.20
Alligator.....60@60&10%
Always Ready.....33⅓&50@40%
American Adjustable.....40@40&10%
Armstrong's.....40%
Baxter's.....65@65&10%
Bemis & Call's:
Brigg's Pattern.....80&10%
No. 2 Cylinder or Gas Pipe.....55%
No. 3 Pipe, Bright.....60%
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Boardman's.....30@33⅓%
Champion Carriage.....40%
Cincinnati Tool Co:
Bit.....&10%
Standard Brace.....35
Coes':
Genuine.....40&10&5&5&3%
"Mechanics'."....40&10&10&5&5&3%
Pattern Wrought.....80&10%
Donohue's Engineer.....40&10%
Eagle Pipe.....50&10%
Expert Bicycle.....33⅓&10%
Girard Standard.....65&10@70%
Hall's Pipe.....50%
Hercules.....70&10@75%
Lamson & Sessions':
Engineers'.....60@60&10%
Standard.....70&10%
Lowell:
Lag Screw.....25%
Ratchet.....33⅓%
Socket Bridge.....30%
Stillson Pipe.....45%
Taylor Pipe and Nut.....40%
Trimo Combination.....40%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
J. H. Williams.....25%
Yankee.....45%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co., list May 1, 1894, 2%
Lovell Mfg. Co., list July 2, 1894...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%
Peerless Mfg. Co., list Feb., 1892...2%
NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in barrels..₩ gallon.....80c
Linseed, City, Boiled, in barrels ₩ gallon.....83c
Out of Town on Spot..₩ gal.....80c
Calcutta, Raw, in bbls....₩ gal. 50c
Lard, Prime City.....₩ gal. 40@42c
Western, Prime.....40@41c
Extra, No. 1.....34@36c
No. 1.....30@32c

Paints and Colors—

Barytes, Foreign, ₩ ton, $15.00@$18.00
Barytes, American Floated, ₩ ton $22.00@$23.00
Barytes, American, No. 1. ₩ ton, $9.00@$10.00
White Lead, American, Dry, in Bbls. ₩ ₤.....4¼@4½c
White Lead, American, in Oil, ₩ ₤.....5¼@5½c
White Lead, Foreign, in Oil, ₩ ₤ 6@7c
Litharge, Kegs, ₩ ₤.....5½@5½c
Zinc, American, Extra Dry, ₩ ₤ 3¾@4¼c

Putty—

In bbls. and half bbls.....1¾@1¾
Putty in Bladders.....1¾@2
Putty in Tins.....1¾@2¼

Spirits Turpentine—

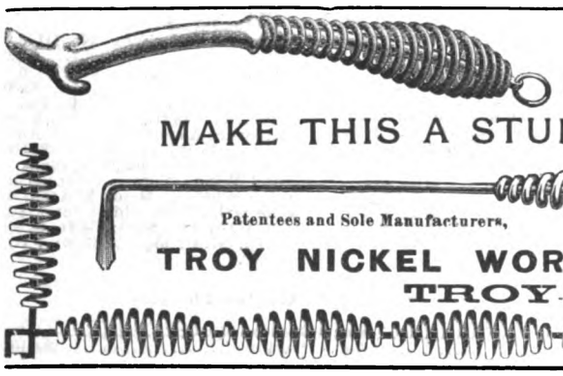
In regular bbls.....27½@—c
In machine bbls.....27½@—c

Dry Colors—

Blue, Chinese	₩ ₤	37	@40
Blue, Prussian	₩ ₤	30	@35
Blue, Ultramarine	₩ ₤	8	@25
Sienna, American, burnt	₩ ₤	1½@	1¾c
Sienna, American, raw	₩ ₤	1½@	1¾c
Umber, American, burnt	₩ ₤	1½@	1¾c
Umber, American, raw	₩ ₤	1½@	1¾c
Green, Chrome, Common	₩ ₤	5	@12 c
Green, Paris, in bulk	₩ ₤	12	@15 c
Indian Red, American	₩ ₤	2	@ 3 c
Indian Red, English	₩ ₤	4½@	9 c

Colors in Oil—

Black Coach Japan	₩ ₤	18½@	20 c
Black Coach Japan in Oil	₩ ₤	12	@13 c
Black Drop	₩ ₤	7	@10 c
Black Lampblack	₩ ₤	20	@33 c
Black Lampblack, common	₩ ₤	7@	15 c
Blue, Chinese	₩ ₤	35	@40 c
Blue, Prussian	₩ ₤	20	@40 c
Blue, Ultramarine	₩ ₤	12	@18 c
Brown, Sienna, bur't	₩ ₤	7	@10 c
Brown, Sienna, raw	₩ ₤	7	@10 c
Umber, burnt	₩ ₤	7	@10 c
Umber raw	₩ ₤	7	@10 c
Brown, Vandyke	₩ ₤	7	@12 c

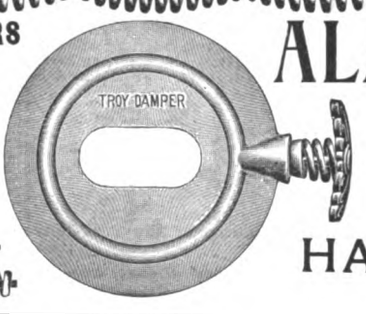


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Van Voorhis & McNair, Crawford, Neb.: We like the journal very much. It always comes to our desk full of bright, sound matter, that cannot but be of interest to all good live dealers.

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Charles T. Mitchell, Baltimore, Md.: HARDWARE is too valuable to be without.

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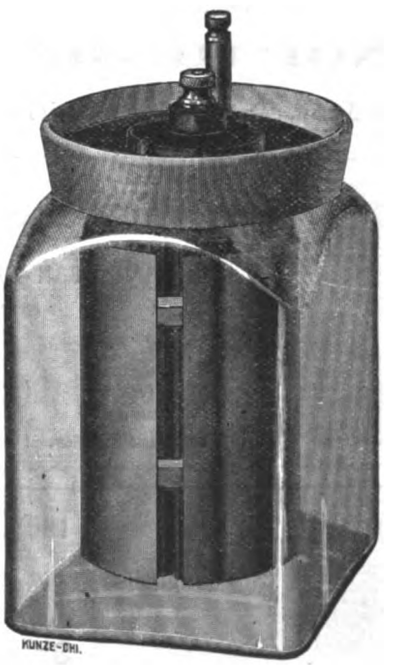


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Do withstand action of ACIDULATED WATERS.

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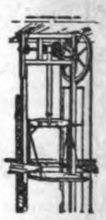
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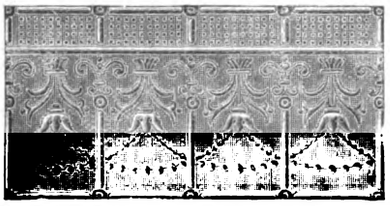
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Buchel Brush Novelty Co., New Orleans, La.

Buffing Wheels.
Divine Bros., Utica, N. Y.

Buggy Canopies.
Sprague Umbrella Co., Norwalk, Ohio.

Builders' Hardware.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Bommer Bros., Brooklyn, N. Y.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.

Butts, Spring.
Bommer Bros., Brooklyn, N. Y.

Calipers.
Darling, Brown & Sharpe, Providence, R. I.

Can Openers.
Gibbs Mfg. Co., Canton, O.

Carpet Stretchers.
Richard W. Montrose, Galien, Mich.

Carpet Sweepers.
Bissell Carpet Sweeper Co., Grand Rapids, Mich.; New York.

Cash Registers.
National Cash Register Co., Dayton, Ohio.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.

Ceilings.
Canton Steel Roofing Co., Canton, Ohio
S. Keighley & Co., Pittsburg, Pa.

Cement.
New York Belting & Packing Co., Ltd., New York.

Chain Hoists.
H. Channon Co., Chicago.

Cherry Stoners.
Goodell Co., Antrim, N. H.

Chucks.
George W. Church, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Clasps.
Th. M. Hass, New York.

Clay Screens.
Harrington & King Perforating Co., Chicago.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
American Shearer Mfg. Co., Nashua, N. H.
Coates Clipper Manufacturing Co. Worcester, Mass.
John H. Graham & Co., New York.

Clock Springs.
Wallace Barnes, Bristol, Conn.

Coal Screens.
Edward Darby & Sons, Phila., Pa.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Copper.
Bruce & Cook, New York.

Copper, Perforated.
Harrington & King Perforating Co., Chicago.

Cordage and Twines.
Samson Cordage Works, Boston.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
Erie Specialty Co., Erie, Pa.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Cresting.
E. T. Barnum, Detroit, Mich.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Curry Combs.
Akron Hdw. & Stamping Co., Akron, Ohio.
Gibbs Mfg. Co., Canton, O.
John H. Graham & Co., New York.

Cutlery.
John Chatillon & Sons, New York.
Alfred Field & Co., New York.
Fox Cutlery Co., New York.
Goodell Co., Antrim, N. H.
R. Heinisch's Sons Co., Newark, N. J.
Northampton Cutlery Co., Northampton, Mass.
Jos. Rodgers & Sons, Sheffield, England.
Seymour Cutlery Co., Holyoke, Mass.
J. Wiss & Sons, Newark, N. J.

Cutters, Fodder.
M. R. Harrison & Co., Massillon, O.
Silver Mfg. Co., Salem, Ohio.

Dies.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Th. M. Hass, New York.
Schwerdtle & Siebert, Bridgeport, Conn.
Vieillard & Osswald, Brooklyn, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
Joseph Bardsley, New York.
John Chatillon & Sons, New York.
Norton Door Check & Spring Co., Boston, Mass.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York.

Doors and Shutters, Iron.
Stewart Iron Works, Cin'nati, O.

Drills.
Armstrong-Duff Machine Co., Philadelphia.
George W. Church, New York.
Cleveland Twist Drill Co., Cleveland, O.
Kearney & Foot Co., New York.
Standard Tool Co., Cleveland, O.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
J. G. Speidel, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham & Co., New York.
Union Electric Co., Cleveland, O.

Elevators.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery Paper.
George W. Church, New York.

Emery Wheels.
New York Belting & Packing Co., Ltd., New York.

Enamel.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scotland.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Farming Tools.
Gibbs Mfg Co., Canton, Ohio.

Faucets.
Boston & Lockport Block Co., Lockport, N. Y.
John H. Graham & Co., New York
National Specialty Mfg. Co., Philadelphia, Pa.
John Sommer's Son, Newark, N. J

Fences, Wire and Iron.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson Ind.
George W. Church, New York.
Henry Disston & Sons, Phila., Pa.
Hammacher, Schlemmer & Co. New York.
Kearney & Foot Co., New York.
Nickels & Nutting Co., New York.

Filters.
J. H. Seed, New York.

Fire Escapes.
Stewart Iron Works, Cin'nati, O.

Fishing Tackle.
Enterprise Mfg. Co., Akron, Ohio.

Flat Ware.
See Plated Ware.

Flower Pot Stands.
Gilbert & Bennett Mfg. Co., N. Y., Chicago, Georgetown, Conn.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading Pa.

Fronts for Buildings, Iron.
Stewart Iron Works, Cin'nati, O.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garden Tools.
Cleveland Lawn Weeder Co., Cleveland, Ohio.
Gibbs Mfg. Co., Canton, O.

Gate, Latch and Hinge.
Burr & Houston Co., Brooklyn, N. Y.

Gears.
T. F. Welch & Co., Boston.

Glass Cutters.
Thomas J. Andrews Philadelphia.
W. L. Barrett, Bristol, Conn.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.
J. D. Johnston, Newport, R. I.

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Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grating, Iron.
Stewart Iron Works, Cin'nati, O.

Grindstones.
Cleveland Stone Co., Cleveland.

Gunpowder.
E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York.

Gun Implements.
Hartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Gymnasium Supplies.
Hawthorne & Sheble, Phila.

Hangers, Coat and Hat.
Cronk Hanger Co., Elmira, N Y

Hangers, Door.
Darling, Brown & Sharpe, Providence, R. I.
Cronk Hanger Co., Elmira, N. Y.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McKinney Mfg. Co, Allegheny, Pa.
E. U. Stearns & Co., Syracuse, N.Y.
Van Wagoner & Williams Hdwe. Co., New York and Cleveland.

Hangers, Window and Screen.
Phenix Mfg. Co., Milwaukee, Wis.

Hardware Dealers, Agents, Etc.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Akron Hdw. & Stamping Co., Akron, Ohio.
Arcade Mfg. Co., Freeport, Ill.
Berger Bros., Philadelphia.
Bruce & Cook, New York.
Buchel Brush Novelty Co., New Orleans, La.
Enterprise Mfg. Co., Philadelphia.
Gilfillan Scale & Hardware Co., Chicago.
Griswold Mfg Co., Erie, Pa.
Hastings & De Baun, New York.
T. W. Houchin, New York.
A. N. Jacob, New York.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
E. C. Stearns & Co., Syracuse, N.Y.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hasps.
McKinney Mfg. Co., Allegheny, Pa.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Heaters
C. R. Meres Heater Mfg. Co. Norwalk, O.

Hinges.
Bommer Bros., New York.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New York.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Capewell Horse Nail Co., Hartford, Conn.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Couplings.
King & Knight, Boston.

Hose Menders.
King & Knight, Boston.

Hose Pipe.
King & Knight, Boston.

Hose, Rubber.
King & Knight, Boston.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.
Logan & Strobridge Iron Co., New Brighton, Pa.
Wm. T. Wood & Co., Arlington, Mass.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Incubators.
Von Culin Incubator Co., Delaware City, Dela.

Ink.
Barnes National Ink Co., New York and Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co, Chicago.

Jail Work.
Stewart Iron Works, Cin'nati, O.

Japanning.
C. H. Angus, Albany, N. Y.

Kraut Cutter.
National Saw Co., Newark, N. J.

Ladders.
Indiana Ladder Co., Indiana, Pa.

Lamps.
Alladin Lamp Co., Newark, N. J.
Cycle Danger Signal Co., New York.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lathing, Metallic.
George Hayes, New York.

Lawn Mowers.
Chadborn & Coldwell, Newburgh, N. Y.
Clipper Lawn Mower Co., Norristown, Pa.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
King & Knight, Boston.

Lawn Weeders.
Cleveland Lawn Weeder Co., Cleveland, Ohio.
Gibbs Mfg. Co., Canton, O.

Lead.
Bruce & Cook, New York.
Colwell Lead Co. New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N J.
J. D. Johnston, Newport, R. I.

Lemon Squeezers.
Berger Bro., Philadelphia.
John H. Graham & Co., New York.
Logan & Strobridge Iron Co., New Brighton, Pa.
John Sommer's Son, Newark, N. J.

Levels.
Akron Level Works, Akron, O.
Tower & Lyon, New York.

Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
John H. Graham & Co., New York.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York and New Haven, Conn.

Machinery.
Athol Machine Co., Athol, Mass.
Miner & Peck Mfg. Co., New Haven, Ct.
Scranton & Co., New Haven, Conn
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
Vielliard & Osswald, Brooklyn, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury Ct.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y
T. F. Welch & Co., Boston.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.
North Bros. Mfg. Co., Philadelphia.

Mechanical Rubber Goods.
New York Belting & Packing Co., Ltd., New York.

Metal Ceilings.
Canton Steel Roofing Co., Canton, Ohio.
S. Keighley & Co., Pittsburg, Pa.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Methls, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Mucilage.
Barnes National Ink Co., New York and Philadelphia.

Nails.
Bruce & Cook, New York.
Fuller Bros. & Co., New York.
Rockford Tack Co., Rockford, Ill.
Salem Wire Nail Co., Salem, O.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Nozzle Holders.
Gibbs Mfg. Co., Canton, O.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilers.
Cushman & Denison, New York.

Oil Stones.
Pike Mfg Co., Pike Station, N. H.

Oil Stoves.
Dangler Stove & Mfg. Co., Cleveland, Ohio.

Ornamental Iron Work.
Stewart Iron Works, Cin'nati, O.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.

Patent Solicitors
Dyer & Driscoll, New York.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.
Upson & Hart Co., Unionville, Ct.

Plating Materials.
Hanson & Van Winkle Co., Newark, N. J.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Plating, Tin.
C. F. Eberhard Cycle Co., Cleveland, Ohio.

Pliers.
Crook Hanger Co, Elmira, N. Y.

Plumbers' Furnaces.
Primus Cooking and Heating Apparatus Co., New York.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
Gibbs Mfg. Co., Canton, O.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.

Power Hammers.
Scranton & Co., New Haven, Conn.

Power Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Prismatic Sidewalks.
Stewart Iron Works, Cin'nati, O.

Pruning Shears.
Gibbs Mfg. Co., Canton, O.

Pumps.
Barnes Mfg. Co, Mansfield, Ohio.
Canton Pump Co, Canton, O.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.
Pittsburgh Pump Co., Pittsburgh Pa.
St. Joseph Pump Mfg. Co., St. Joseph, Mo.

Punches.
F. J. Mattison, New York.

Punching and Shearing Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Radiator Deflectors.
Clark Hot Air Deflector Co., Akron, O.
J. Rutherford & Son, Akron, Ohio.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.
Stewart Iron Works, Cin'nati, O.

Rails, Barn Door.
McKinney Mfg Co., Allegheny, Pa.

Raisin Seeders.
Enterprise Mfg. Co., Philadelphia.

Rakes.
Globe Mfg Co., Canton, Ohio.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps

Refrigerator Door Fasteners.
P. J. Conroy & Co., Philadelphia

Reels.
Hartzell Novelty Works, Alliance, Ohio
King & Knight, Boston.

Refrigerators.
Keyser Mfg. Co., Chattanooga, Tenn.

Repair Outfits.
B. F. Goodrich Co., Akron, O.
Root Bros. Co., Plymouth, Ohio.

Rivets.
Bruce & Cook, New York.

Rolls.
Fulton Machine Co., Canal Fulton, O.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington Conn., and New York.

Roofing and Roofers' Supplies.
Auld & Conger, Cleveland, Ohio.
Canton Steel Roofing Co., Canton, Ohio.
Berger Bros., Philadelphia.
L. D. Berger, Philadelphia.
Berger Mfg. Co., Canton, O.

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Roofing Slate.
Auld & Conger, Cleveland, Ohio
E. J. Johnson & Co., New York.

Roof Trusses, Iron.
Stewart Iron Works, Cin'nati, O.

Rubber Belting.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
B. F. Goodrich Co, Akron, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rules.
Darling, Brown & Sharpe Providence, R. I.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Scales.
John Chatillon & Sons, New York
Gilfillan Scale & Howe Co, Chicago.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.

Scrapers, Wheel.
Sidney Steel Scraper Co., Sidney, O.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co. Georgetown, Conn, New York Chicago.
A. J. Phillips Co., Fenton, Mich.

Screws.
Harvey Hubbell, Bridgeport, Ct

Screw Cutting Tools.
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Shelf Boxes.
Henry H. Sheip & Co., Philadelphia.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Single Tube Tires.
B. F. Goodrich Co., Akron, O.
New York Belting & Packing Co., New York.

Sink Cleaners.
John W. Sudlow, Brooklyn, N. Y.

Skates.
John H. Graham & Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Skylights.
George Hayes, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Smoke Pipe Registers.
Ferrosteel Co, Cleveland, Ohio.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Solder.
Bruce & Cook, New York.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Stairs, Iron.
Stewart Iron Works, Cin'nati, O

Stamps.
Schwerdtle & Siebert, Bridgeport, Conn.

Steel Goods.
Canton Steel Roofing Co., Canton, Ohio.
Finished Steel Co., Youngstown, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Steel Traps.
Oneida Community, Kenwood, N. Y.

Step Ladders.
Bicycle Step Ladder Co., Chicago.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Holroyd & Co., Waterford, N. Y.

Store Fixtures.
Hartzell Novelty Works, Alliance, Ohio.

Stoves.
Dangler Stove & Mfg. Co, Cleveland, Ohio.
Primus Cooking and Heating Apparatus Co., New York.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Structural Iron Work.
Stewart Iron Works, Cin'nati, O.

Tackle Blocks.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Ney Mfg. Co. Canton, Ohio.
Union Hardware Co., Torrington Conn

Tacks.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tapping Machines.
Harvey Hubbell, Bridgeport, Ct.

Taps and Dies.
Geo. W. Church New York.
Holroyd & Co., Waterford, N. Y.

Telephones.
Union Electric Co., Cleveland,

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago

Tin-Plate.
Bruce & Cook, New York.

Tires Rubber.
B. F. Goodrich Co., Akron, O.
New York Belting & Packing Co., New York.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Geo. W. Church, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Hammacher, Schlemmer & Co. New York.
Th. M. Hass, New York.
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Pope Tube Co., Hartford, Conn.

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Gibbs Mfg. Co., Canton, Ohio.
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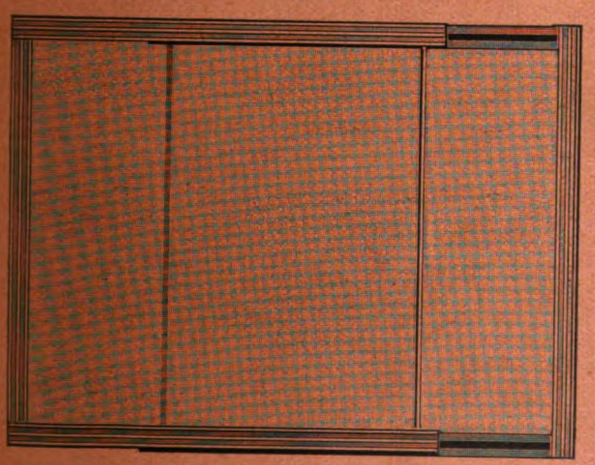
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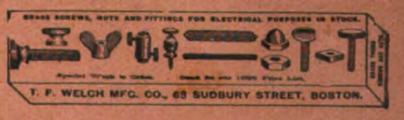
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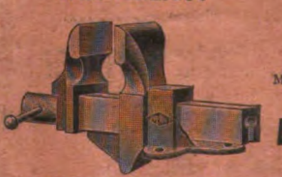
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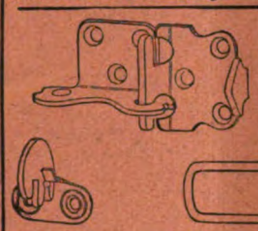
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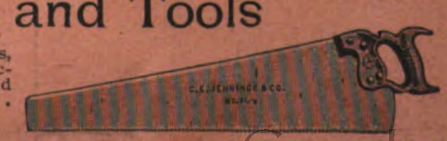
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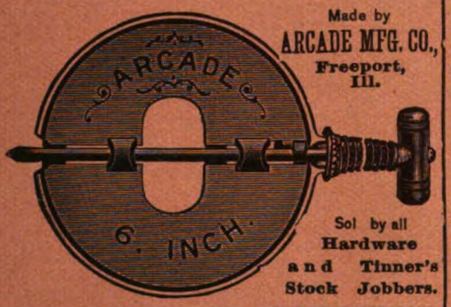
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Invaluable to everyone.

Erie Specialty Co.,
Erie, Pa., U.S.A.

Established 1857.

WALLACE BARNES,

Manufacturer of Flat, Coiled and Wire

Steel Springs of Every Description.

SEND SAMPLE FOR PRICES.

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SAVE MONEY

IN BUYING YOUR TOOLS AND

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FIVE AND TEN CENT GOODS FOR

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I do the leading business in this city in buying and selling

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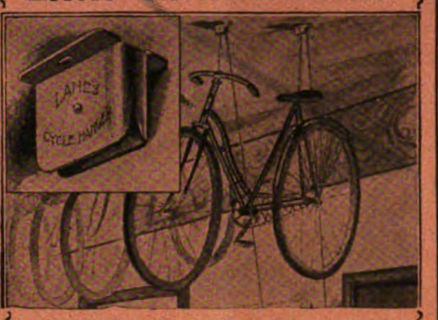
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I have a Job Lot of Gents' Genuine VICTOR Bicycles at $40 and $42.50 each.

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Manufacturers of
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ALL KINDS OF SMALL SPRINGS
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Lane's Pat. Cycle Hanger is packed in pairs complete with screws and rope adapted for attaching to any bicycle; length sufficient for 12-foot ceiling. For sale by Bicycle and Hardware dealers, or sent by mail, post paid, on receipt of price, $1.00.

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Buffing Wheels,

Large variety, adapted to every class of work.

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The finest in the world.

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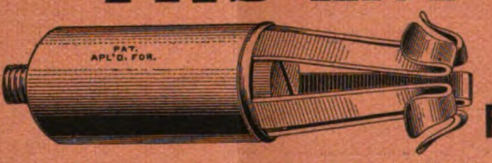
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MANUFACTURERS OF
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Of Brass, Copper, Iron, Galvanized and Steel Wire of all meshes and grades. For Mining, Milling, and all other purposes. Locomotive Spark Wire Cloth, &c.

For Bank, Office and Counter Railings; Wickets, Grills, etc., in Brass Bronze, Oxidized and other effects. Elevator Enclosures, &c.

Coal and Sand Screens, Riddles for Export and Foundry Use. Galvanized Twist Netting, Wire Window Screens, &c.

FITS ANY GAUGE.



Price, 75 cents.

THE **Favorite Gun Cleaner**

Removes thoroughly all deposit from gun barrels without injury.

SEND FOR SAMPLE.

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Eighteen Different Styles. None Better Made. For Cutting Glass Tubes, Circular or Straight Work.

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The ONLY Level to be depended upon all the time, and it **SELLS.** . . .

You can send for one or a dozen. Just to try them. Fully warranted.

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WITH THIS SCREW LADIES CAN DRAW TIGHT CORKS EASILY.

WILLIAMSON'S
HAND POWER CORK SCREW,

Pulls the Cork out of the Bottle.

DIRECTIONS FOR USE:

KEEP ON TURNING, DO NOT PULL.

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ABSOLUTELY UNIFORM, IMPERVIOUS TO MOISTURE, OR

Orange Extra Sporting,

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Mfgrs. of Black and Smokeless Sporting and Military Powders,

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STEEL WIRE NAILS.

A Large Stock Constantly on hand for Immediate Shipment.

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GUNPOWDER.

Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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For general shooting, either in muzzle or breech loaders.

"V. G. P." NEW TRAP POWDER. "V. G. P."
A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

Du Pont's Smokeless Powder.
Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

MILITARY POWDER and GUN COTTON
Of a quality to meet requirements of U. S. Army and Navy.

MINING AND BLASTING POWDER.

—Send Postal for Illustrated Catalogue.—

"OLD JOB JOHNSON'S."



The Best Gate,

Latch and Hinge

EVER MADE.

The Years Have Proved Their Value

Their One Fault :—

They Won't Wear Out!

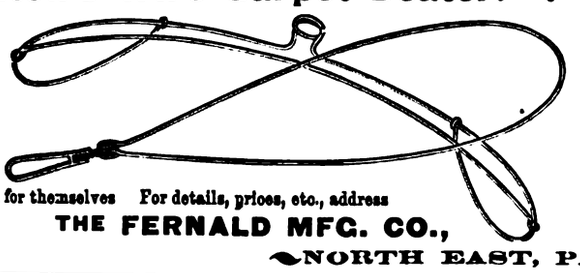
Simple, Durable and Cheap. Arranged to work without any spring, on its own Automatic principles. Send for descriptive circular and prices. . . . . .

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. . . Hilton's Wire Coat Frame.

Hilton's Wire Carpet Beater. . .



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COLUMBIA BICYCLES.

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Model 40. Weight, 21½ pounds.

Leading in Popularity and Improved Construction. Unequalled—Unapproached.

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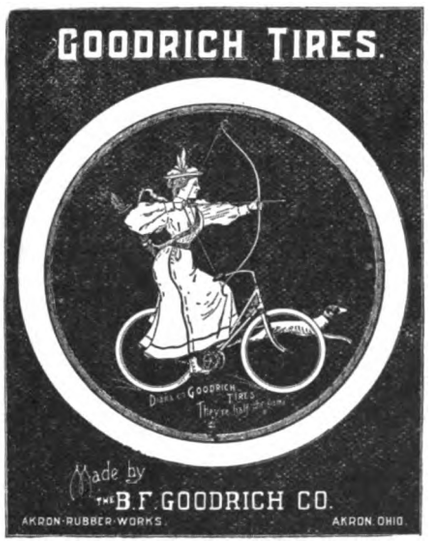
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It is the only quick and sure cure for all kinds of punctures in single tube tires. "Jiffy" Solution is the only thing on the market that can be depended upon for a lasting repair. It never fails. The "Jiffy" sells for 50 cents, or is given free with every pair of Goodrich Tires.

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Goodrich Tire

Examine it closely as to quality and construction and you will be convinced of the superiority of Goodrich Tires over anything on the market. For racing, general riding and durability they stand pre-eminent.

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Root's Fireside Cobbler

30 ARTICLES COMPLETE.
Weight, 15 lbs.
PER DOZEN.
$24.00.
Write for Discounts.

Root's Economy Cobbler.



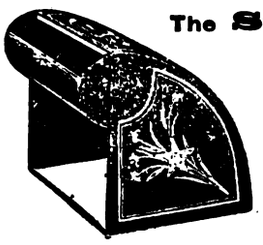
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Per dozen, $12.00.
Write for Discounts.

Write for Circular fully describing these, and . . . . . .

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The STAR DEFLECTOR.
SUPERIOR TO ALL OTHERS.

Used on Hot Air Furnaces and Radiators. Handsome, Simple, Durable. In moistening the atmosphere it overcomes the only objection to using Hot Air Furnaces. . . .

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There will be no change in the business formerly conducted under the name of

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Saw Sets, Bench Stops, Parallel Pliers, Universal Punches, Car Sealers, and Standard Parallel Cut Nippers.

NO. 35 WARREN ST., - NEW YORK.

It will be continued under the same name and at the same location.

WATERBURY BRASS CO.,

60 Centre St., New York.
. . Manufacturers of . .
Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

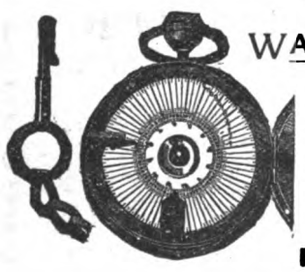
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OF ALL KINDS.

Hicks Primers, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES,

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.



HAHN'S LATEST IMPROVED
WATCHMANS' TIME DETECTOR,
WITH SAFETY LOCK ATTACHMENT.
Highest Award at Columbian Exposition.

This Clock is neat, thoroughly reliable and very durable. Cannot be tampered with. Price moderate. Is adapted for six or twelve stations, having a different key for each. Registering is done by number from 1 to 6 and 1 to 12, each station having its number. No chance for a fraudulent record here. Old style detectors mark by holes or an impression on dial, the same for all stations. Allowance made for old Detectors. Send for circulars, prices and further particulars.

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A STRONG MORTAR, ASH, SAND and COAL **Barrow**

AT A LOW PRICE. Ship us Six Dozen.

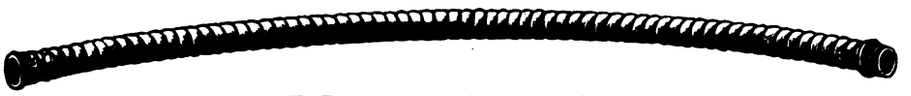
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Like most useful articles, is simple in construction—a short piece of ¾-inch hose with coiled wire embedded in the walls. Literally impossible to kink it—attach one end to hydrant, the other to hose, and try. **No matter how you haul the hose about, there is always a full flow of water. This is one point—the other is Non-kink practically doubles the life of the hose.** How? By relieving it entirely from the strain at the point of attachment to hydrant. All the rest of the hose is movable, and gives when pulled about. The end fastened to hydrant is immovable, and the entire pulling strain is practically concentrated at that point. **Non-kink** assumes this strain, and, being strengthened specially for the work, performs it without injury.

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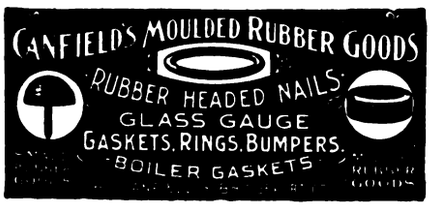
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DIXON'S
Carpenters' Pencils
DIXON'S
Lumbermens' Crayons

Are salable goods for any Hardware Dealer and carry with them a good profit.

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Smoke Pipe Register (Black) with **White Ceiling Plate.**

Indian Design Patented.

Showing Removable Cap for use when Smoke Pipe is taken down.

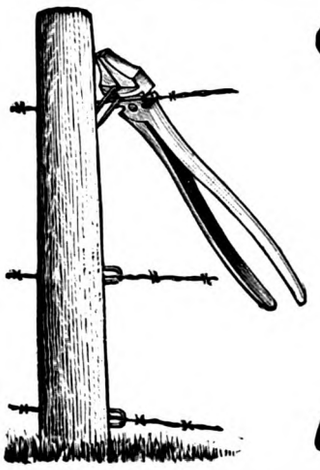
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Registers made of Ferrosteel are noted for Strength, High Finish and Excellent Workmanship.

The Ferrosteel Co., CLEVELAND, OHIO



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CRONK'S

Combination Fencing Plier.

This newly invented fencing tool is needed by all people that build or have occasion to remove or repair wire fence, as it is made with two staple pullers, two hammers and two button cutters. They are the same heft as the 1½ Maydole Hammer, and they are made of forged tool steel. No good farmer will be without one. They are warranted to cut No. 8 hard or No. 6 soft wire. Like the celebrated Cronk Plier they are fully warranted in all respects. No. 12, 11 in. long, $12.00. Dis. . . .

CRONK HANGER CO., ELMIRA, N. Y.

GLASS CUTTER and COMBINATION TOOL.

Maker of  16 Styles.

. . . MANUFACTURED BY . . .

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If you are interested don't fail to write **us.** We are headquarters for **SLATE and ROOFERS' SUPPLIES.** . . . . . .

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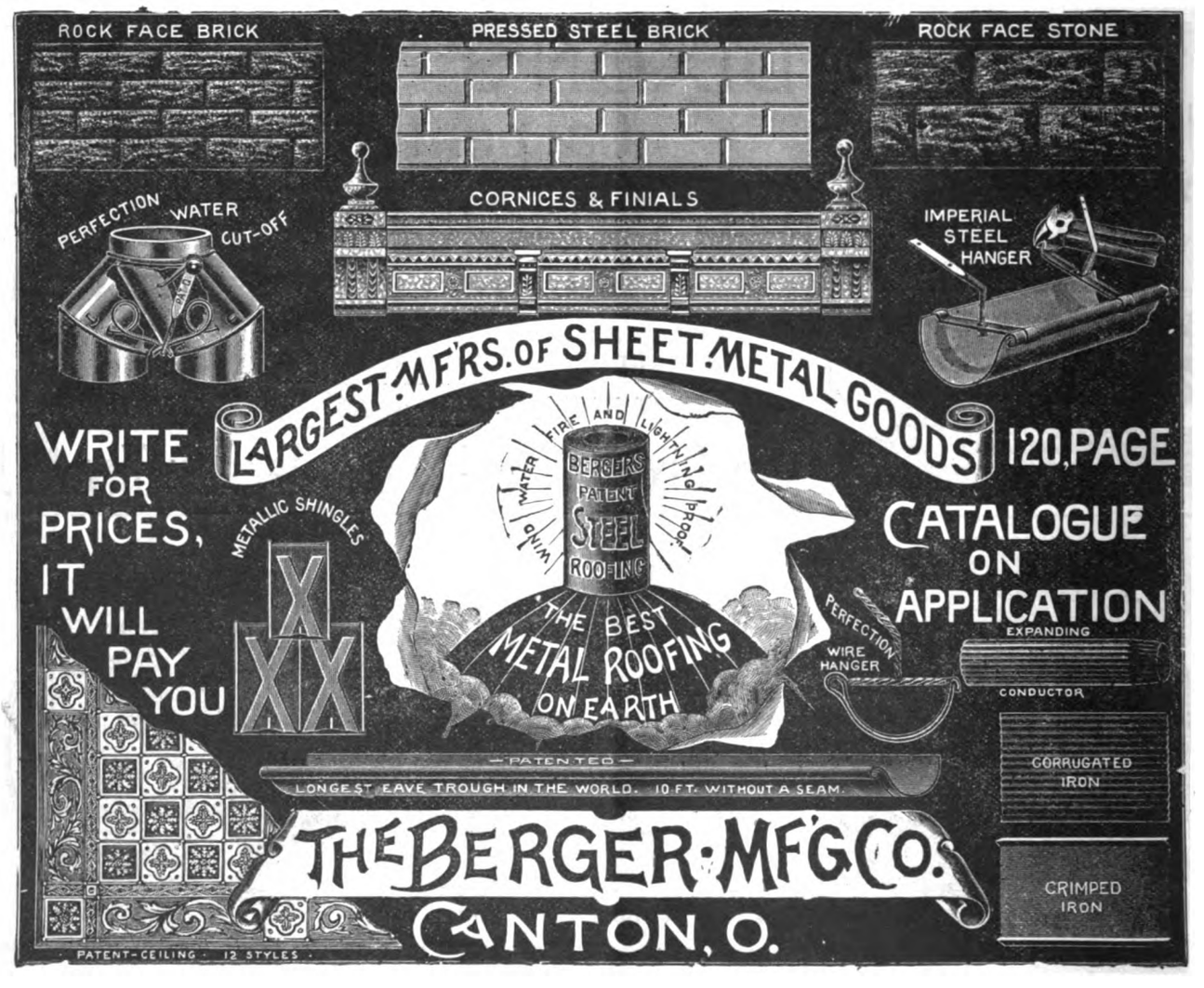
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96 Chambers Street,

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Reading Hardware Co.

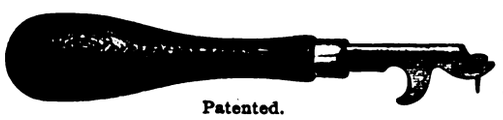
Make the slickest line of Hardware for Window Screens and Screen Doors. : : : : : :

See our big Catalogue for 1897.

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"Happy Thought" Tack Puller.



Patented.

Made of polished steel. Will pull all size tacks, and the construction and shape makes it easy to pull the tack without breaking the heads off. The bottom hook which serves as the lever in drawing the tack is also convenient to lift the carpet from the floor. One trial will prove that the "Happy Thought" is the best. The price, 10 cents brings it in reach of all. For sale by all leading Hardware dealers. This is a fine seller, and we will send a sample to the trade on receipt of a two-cent stamp. Manufactured by the

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Shovels, Hoes, Snaths, Spades, Rakes, Scythes, Lawn Mowers, Forks, &c., &c.

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BOSS STEEL BOX BANDS IN BUNDLES. ALSO IN REELS AND COILS.

Patents ANTE-DATING ALL OTHERS allowed for United States, England, France and Germany.
BEWARE OF IMITATION AND INFRINGEMENTS.
American Tin and Terne Plate, Sheet Iron Sheet Steel, Solder, Conductor Pipe and Gutters, Acme Stove Pipe, Acme Dripping Pans and Four-Pieced Elbows. . . .

STEEL BOX BAND CO., LIMITED, 143-145 Varick St., New York, N. Y.

Successors to Shepard Hardware Co. of Buffalo, N. Y.

In Blind, Shutter and Gate Hinges, Gate Latches, Frame Axle Pulleys, No. 25 Niagara, No. 26 Star, No. 30 IXL, No. 60 Square End, No. 35 Acme solid case with markers, and the Gem Machine Pulley from 1 3-4 in. to 2 1-2 in.

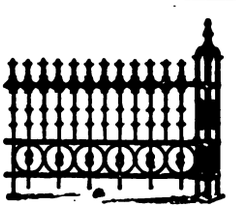
We also manufacture——

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WE WANT AGENTS TO SELL OUR **IRON FENCE**

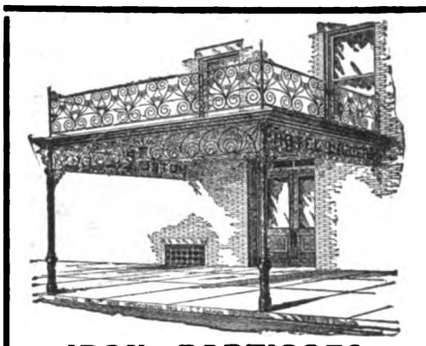


We furnish first-class work at prices that bring the trade. Write for Catalogues, Prices and Terms

The Stewart Iron Works,

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Manuf'rs of Iron Fence, Jails, Architectural and Ornamental Iron Work.



IRON PORTICOES.

SEND FOR CATALOGUE OF STABLE FIXTURES, BANK & OFFICE RAILINGS, GRILLES, FIRE ESCAPES & ALL KINDS OF WIRE & IRON WORK.

E.T.BARNUM, DETROIT, MICH. Mention this paper

AGENTS WANTED.

FAMILY GRINDSTONES.

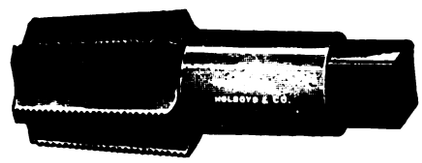
Great Reduction in Prices.

If you have not received our revised price list write for it.

The Cleveland Stone Co.,

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Hardware Dealers Send us your address and we will mail Catalogue and discount sheet of STOCKS & DIES, TAPS, etc.

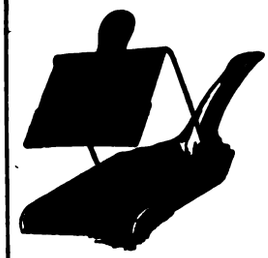


Holroyd & Co.,

Waterford, N. Y.

The DANDY SINK CLEANER.

. . . A perfect and complete



Household Specialty.

A Sink Cleaner and Shovel Combined. . .

Tidy housekeepers will throw away the dirty sink broom and buy the Dandy Sink Cleaner on sight. . . . . .

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

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"EVERYTHING IS COMING UP."

BUSINESS IS BETTER AND THERE WILL BE A LARGER DEMAND THAN EVER FOR OUR

Sheep Skin Mitten.

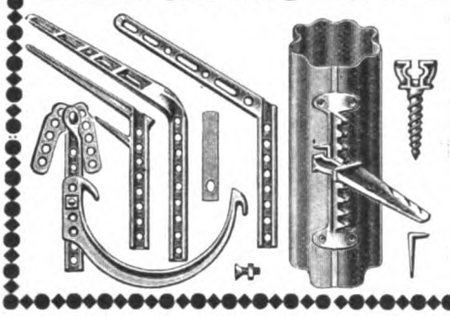


Acknowledged to be the best article for polishing stoves, as it does away with the old time dirtiness of the work, making this work a pleasure. Also invaluable for polishing brass or glass, or silverware, which it does not scratch. For tan shoes and cleaning bicycles it has demonstrated itself a conspicuous success.

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BERGER'S GUTTER HANGERS



And Pipe Fasteners are the best made. Different styles and shapes, all adjustable to suit any need. Send for Hanger Circular Z, showing all the styles. . . . . .

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In Every Place THERE ARE PARTIES WHO USE DOWELL PINS.

YOU can make a good PROFIT handling them.

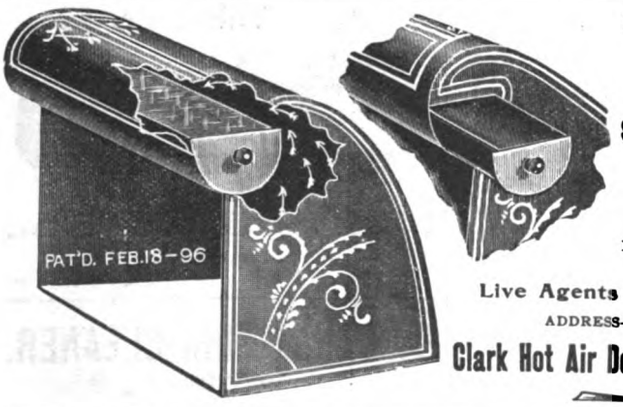
They are made by



LIKE THESE.

WE will quote price delivered in any quantity to any point in the United States.

SALEM WIRE NAIL CO., - Salem, Ohio.



No more black on your walls.
No more dust in your rooms.

USE

Clark's Steam and Hot Air Register Bonnets.

Patented Feb. 18, 1896.

All others are infringements.

1900 Sold in Akron, Ohio, in three months.

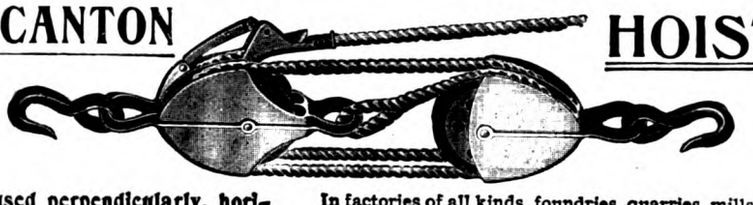
Live Agents Wanted in Every City

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Clark Hot Air Deflector Co.,

Akron, Ohio.

The CANTON HOIST



Can be used perpendicularly, horizontally, and at any angle. . . .

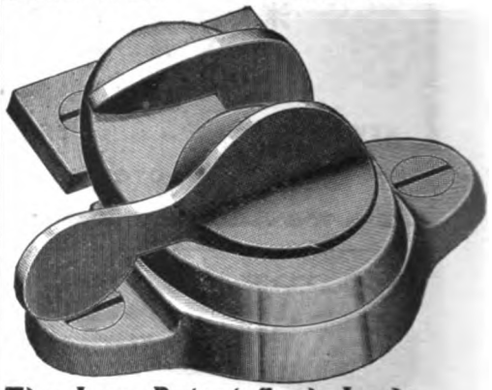
In factories of all kinds, foundries, quarries, mills and warehouses; also by contractors, carpenters, stone masons and all classes of mechanics. Manufactured by

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New Stamped Metal Sash Lock,

In Cold Rolled Steel, Bronze and Brass. In all the Popular Finishes.

LOCKS OPEN. LOCKS CLOSED.



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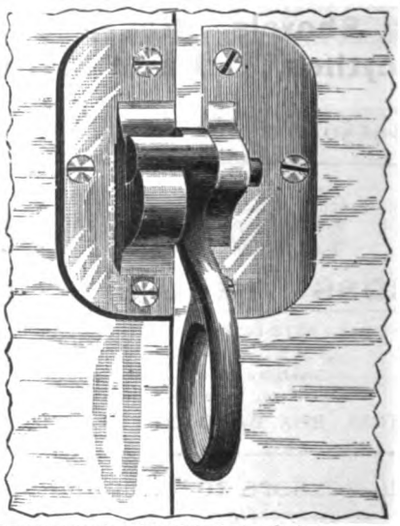
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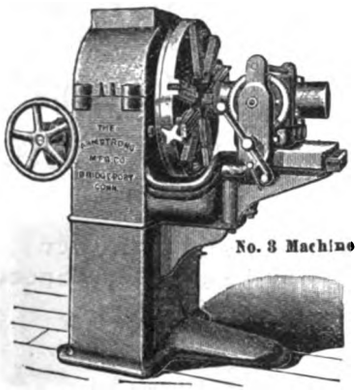
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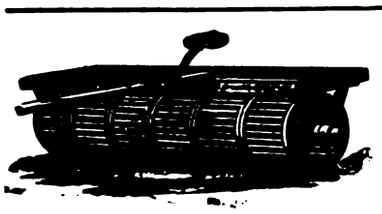
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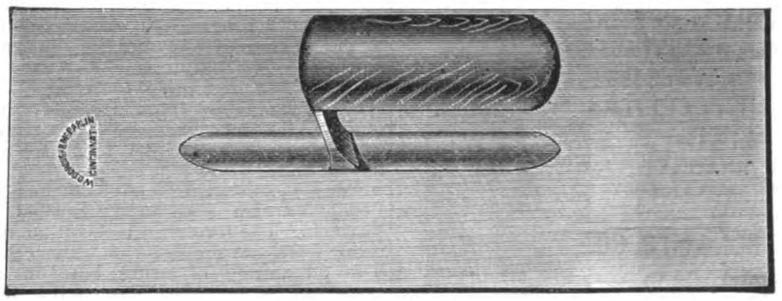
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Superior to any magnetic tool heretofore made.

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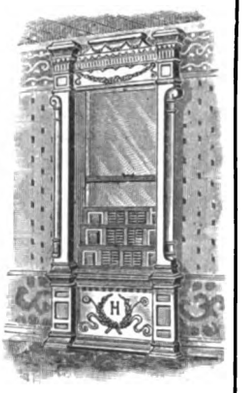
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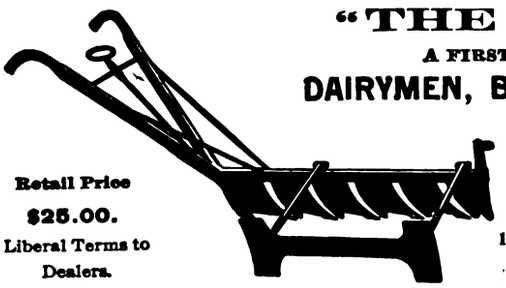
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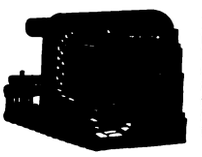
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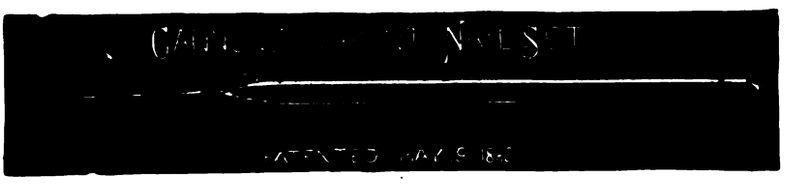
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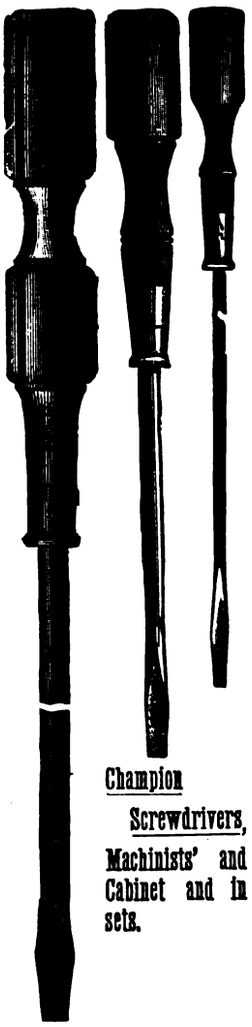
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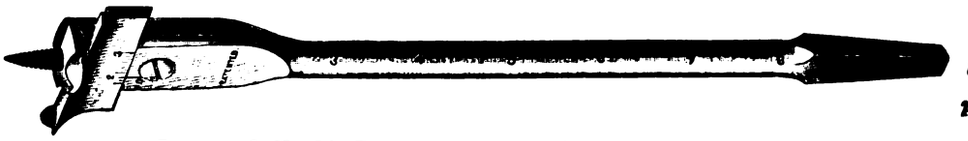
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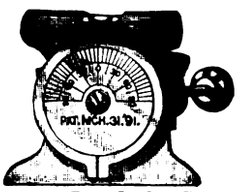
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





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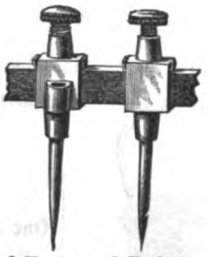
Chaplins' Patent Iron Planes.



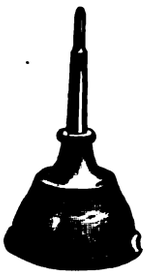
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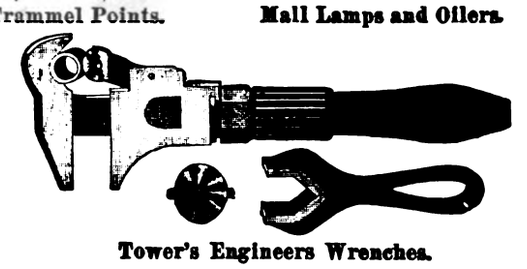




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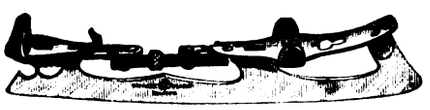
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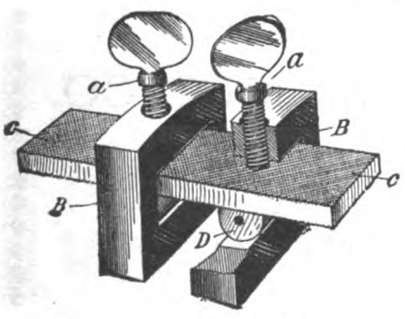
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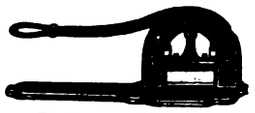
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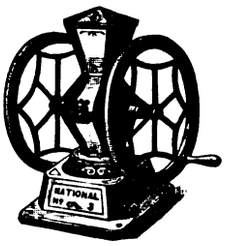
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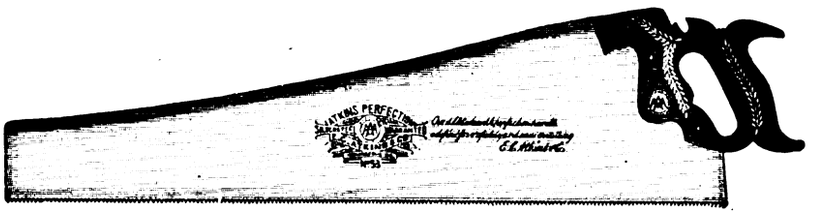
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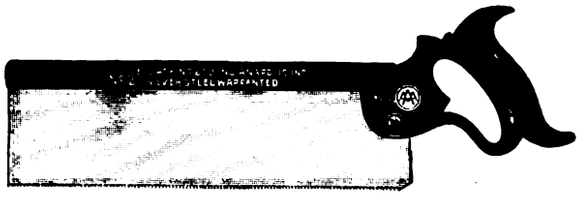
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Blue Flame Oil Stoves

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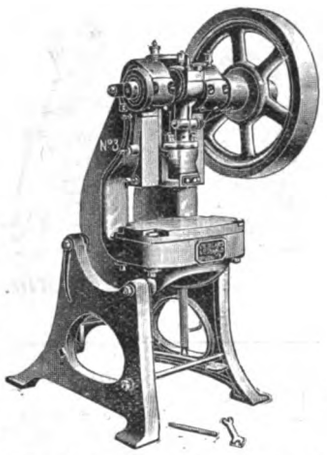
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We manufacture

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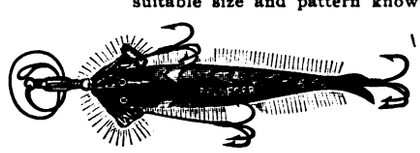
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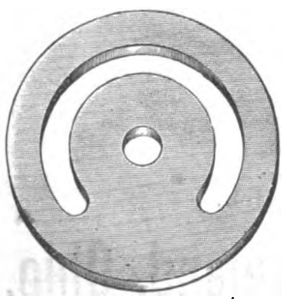
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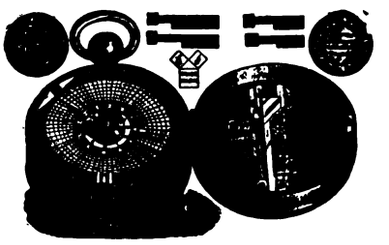
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Made of malleable iron. Can be used for more purposes than any truck ever made, and is sold at a low price. Every family should have one. We also manufacture a complete line of high grade Iron and Brass Hand and Wind Mill Pumps and Cylinders, Cast Iron Sinks, etc. Send for Circulars, Catalogue and Prices. . . . .

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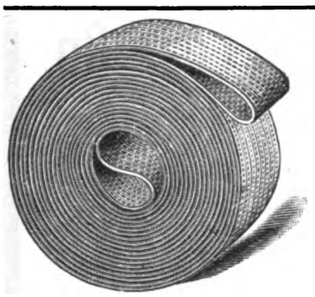
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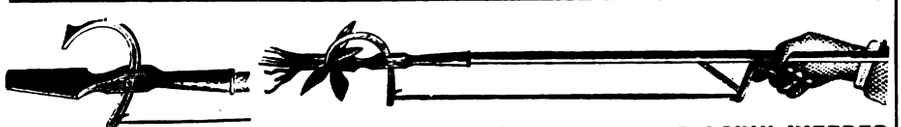
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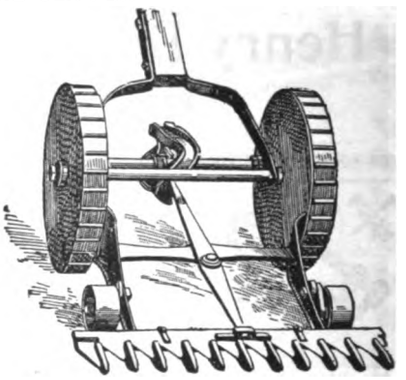
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Sole Manufacturers of

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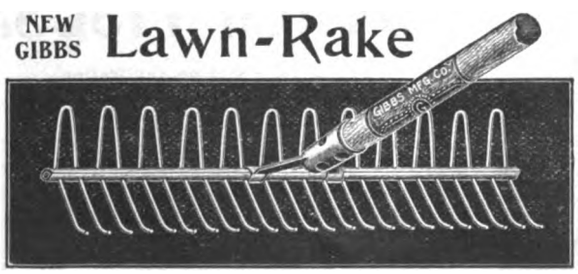
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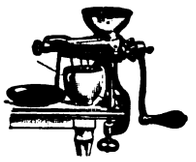
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Raisin and Grape Seeder
Tinned



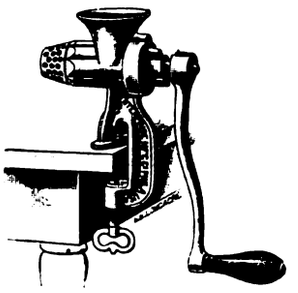
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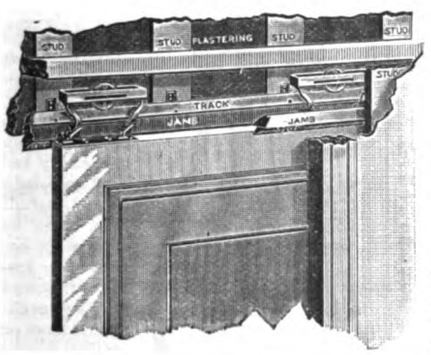
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Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

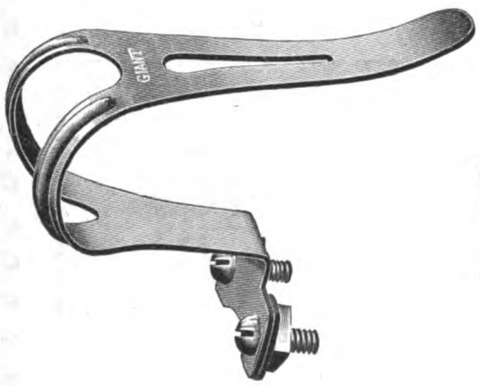
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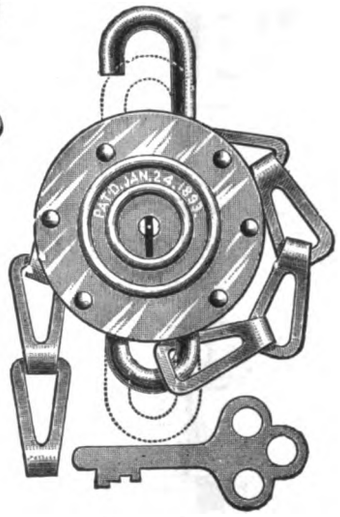
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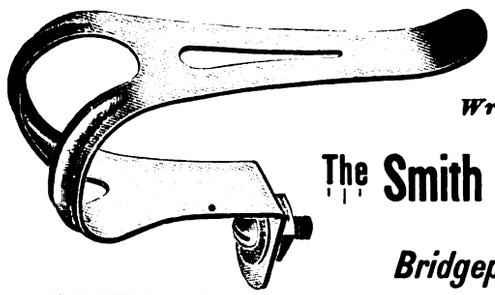
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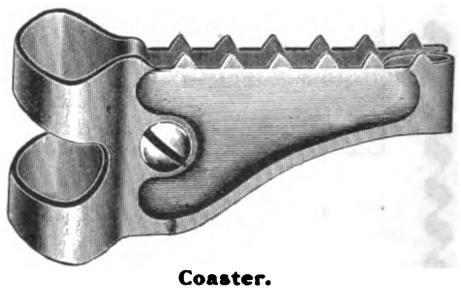


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FOR THRESHER MACHINES.

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Everything in that line.
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With Screw Feed and Chain Attachment.

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HARDWARE

VOL. XV. APRIL 25, 1897. NO. 2.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade. Published the 10th and 25th of each month, by the HARDWARE PUBLISHING CO., No. 143 CHAMBERS ST., NEW YORK.

BRANCH OFFICES: CHICAGO, - - - - ASHLAND BLOCK.
BOSTON, - - No. 33 EQUITABLE BUILDING
CINCINNATI, - - - No. 316 VINE STREET.

Subscription, $1.00 per year. Subscription, Foreign, $1.50 per year.

JAMES H. KENNEDY, - Editor and Manager.
HENRY HOPKINS, - - Associate Editor.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted to the Hardware Trade.

Editorial Trade Review.

The weather conditions becoming more settled as the season advances, has a noticeable effect upon the state of trade, increasing orders being the custom noticed in the business now reaching the jobbers and commission houses. A more encouraging feeling seems to pervade the retail trade, who are feeling sure for the first time this year, "there's a good time coming."

The prevailing tendency toward lower quotations in many lines, especially when a willingness to order liberally is manifested, often has an effect contrary to the one intended: as the prevailing belief of limited demand and large production makes it a conservative policy to let the manufacturers carry the bulk of the stock, which, under more rigid conditions would be lodged in the wholesalers' lofts or warehouses.

From all accounts, as compared with a year ago, business has increased in volume, and when reference is had to the records of the past year, the advancing amount of trade, of which evidence is noted, creates a feeling that the end of the memorable depression is within reach. The jobbers report that collections have favorably improved, and remittances and new orders come hand in hand.

Outside of seasonable specialties, the trade in general lines improves slowly. Mechanics' tools, which have been slow of sale for a long time, are now the subject of sustained enquiry, with prospects of a steady demand in the near future, when strikes shall cease to be a burden and the workmen shall all find work.

Prospects for builders' Hardware improve daily, although larger enterprises occupy the attention of the local architects rather than those of moderate extent. Prices continue low, and the style of product offered by competing manufacturers, while of modern excellence in general effect, the sales at present are apt to be confined to the extremes of low-priced goods for ordinary stock requirements, or highly artistic productions that may be specified for edifices of architectural note.

The elaborate programme now assuming national importance, laid out by the Grant Memorial Committee, will prove of sufficient attraction to bring a good many buyers to this city during the present week, the reduced rates offered by the railroads creating an extra inducement. Let us hope they will come with pockets filled with memoranda of wants to be attended to; new goods to be looked up; additions to their present assortments to be decided upon, and a number of other reasons why their expenses need not be charged up entirely to pleasure.

Changes in Mercantile Methods.

If some of the Hardware dealers now deceased, who were the leaders in mercantile enterprises 40 years ago, could be made aware of the expensive methods, small percentage of profits, and mammoth transactions that are to-day the features of their venerated industries, they would turn over in their graves and despair of the future.

Realizing by comparison how economical were their own views, how slow in the way of business detail, how prodigal in the expenditure of the poorly paid time of the individual employe, we feel there were no short cuts to prosperity believed in or permitted; conservative estimates placed a limit to speculative tendencies, and sufficient for each year was considered the customary profits thereof. Changes in current quotations on general Hardware were few indeed and rarely above a normal 2½ or 5 per cent., the terms of payment being anywhere from four to twelve months.

To-day, how different is everything; what an evolution is apparent; goods are retailed at profits on which by the old methods the dealer would have starved to death; and the present profit on wholesale transactions frequently is no larger than the five per cent. addition to the net cost by which the old merchants—who died as millionaires—considered a "marked cost" on which to base their profit. In the old days, simplicity and economy created merchants of quiet, intelligent aspirations, without the soul-harrowing strain which seems so natural now, in our desire to obtain wealth by modern methods. Simplicity and economy everywhere pervaded, extravagance was held in check, and a man wearing a silk hat while smoking a cigar and carrying a cane into a business house, would find such peculiarities made his credit questionable, and subjected him to a searching inquisition.

The principal stumbling block to getting back our business on a platform promising pecuniary rewards, is the fact that our national habits are grounded on a higher scale of ease and comfort, a state of indulgence we are loth to sacrifice, and to continue which seems impossible with profits in an inverse ratio to the amount of business transacted.

The result has been that the higher priced intelligence, always considered necessary to the successful prosecution of any business, has in many instances been compelled to give way; younger and less experienced men have grasped the helm of the ship, and when the breakers loomed up ahead, frequently found that judgment and nerve demanded by an emergency new to them, could not be picked up "off-hand," but

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that the situation required treatment, the product only of a wise experieuce.

Bicycle Bells.

The attempt to limit the size of the bells which are now in use by the cycle riders throughout the country is a commendable one, for the big sleigh bells, inharmonious cow bells and engine gongs which are now alarmingly prevalent, ought to be frowned upon and suppressed by every admirer of a wheel, or lover of the horse whose nerves are shaken by these discordant noises.

The efforts of the consulates and associated cycling clubs which are being made for this laudable purpose, should not, however, make the mistake of going to the opposite extreme, which we find is suggested as a "2½ inch limit" to a cycle bell; this would not accomplish the purpose for which a bell is carried on a wheel, as a gong bell of the largest size suggested could be heard amid the constant traffic of a city but a few feet off, and with the coasting and scorching now so freely indulged in, especially in the suburban towns, the bicycle would be apt to reach the wayfarer before the sound. The limit should be placed at three inches, which would give a bell of resonant strength that would surely fulfil its purpose. A bell of 2½ inches or less presents the mechanical impossibility of giving a gong with sufficient metal in it to be strong and durable, and yet possess a vibratory power sufficient to develop sound. A tandem, it is universally conceded, should have a bell of greater power than a single, because a contact with one by a pedestrian is greatly to be avoided, and a larger gong is needed. The reason why so many small and inefficient bells are now in use is because price has been made more of an object in their purchase than consideration for the wayfarer; this, and a wish simply to comply with the letter of the law only instead of its spirit, and the craze for wheels of "no weight," so noticeable a few years ago, which has not been entirely eradicated. In Europe the popular bell is 2⅝ inches, and the cycle bells which we are exporting in very satisfactory quantities are of this size; the larger area of the gong enabling the maker to produce a bell in which the inside mechanism gives evidence of the American skill in construction. Even this size, 2⅝ inches, making it one-eighth of an inch only larger than the size now suggested by the movers of this reform, could be accepted as a compromise rather than the size referred to, for that one-eighth of an inch enables the use of an amount of metal which insures vibration and a tone that would command attention.

There is a world of wisdom for a business man, in a political maxim, credited to the late Samuel J. Tilden: "When you don't know *what* to do, *don't do anything.*"

"No," said the old Hardwareman, sternly, "I will not do it. Never have I sold anything by false representations, and I will not begin now." For a moment he was silent, and the clerk who stood before him could see that the better nature of his employer was fighting strongly for the right. "No," the old man cried again, "I will not do it. It is an inferior grade of shovel and I will never pass it off as anything better. Mark it 'A Shovel Fit for a Queen, and put it in the window. A queen does not have to do much shoveling."

Heard and Seen in the Trade.

The Bessemer process dates back to the fifties. The essence of this invention was the producion of steel from pig iron by the use of an air blast. A blast of air is forced through the molten cast iron so that the carbon and silicon contained in it are burned out, they forming the fuel. The converter in which the metal is treated by the Bessemer process is an egg-shaped vessel having a capacity of several tons, which is turned on its side to receive the charge and afterward brought into an upright position. Its bottom is full of holes, through which the air blast is forced.

The La Capital Co., Buenos Ayres, Argentine Republic, South America, have let contract for the materials for a power station aud the road bed and cars to parties in the United States. The Berlin Iron Bridge Co., East Berlin, Conn., have the contract for furnishing the skeleton steel work of the building and the roofs. The roof over the engine and dynamo room will be covered with corrugated iron lined with the Berlin Co.'s fire-proof anti-condensation roof lining. Taking into consideration the magnitude of the work and the distance it is to be shipped, it is to be considered a good recommend for the Berlin Co.'s roofing.

The Excelsior Supply Co., wholesale Hardware and supplies, have entered upon a jobbing business in Springfield, Mass. From the character of the men who have this establishment in hand, and the push they have already displayed in starting business, we feel free to congratulate New England upon the addition of another first-class and enterprising house. They will be glad to receive catalogues, etc., from manufacturers.

J. C. McCarty & Co., who have been for so many years located at No. 97 Chambers Street and No. 81 Reade Street, will on May 1st move to No. 10 Warren Street, New York, where their facilities for transacting business will be greatly improved, enabling them to carry fuller and more complete stocks of goods of the various manufacturing companies represented by them.

Almost without exception, the tin-plate works in this country are running full at the present time. It is calculated that mills having an aggregate productive capacity equivalent to fully 4,500,000 boxes a year are now in steady operation.

Surpless, Dunn & Co., will on May 1st move from their present location No. 11 Murray Street, to more commodious quarters at No. 55 Warren Street, New York.

The manufacture of horn combs is in the hands of a few firms only, and they guard with great zeal any attempts to discover their processes.

The city of Marseilles, France, has just completed its drainage system on the plan of that of Paris, at a cost of $7,000,000.

The term rice paper is misleading. It is not made from rice or the fibre of the rice plant, but from that of the bread-fruit tree.

The consumer is the storekeeper's judge, and whether or not the latter shall remain in business depends upon his verdict.

The largest check was one of $26,693,250, drawn on the Bank of England in payment for the Kimberly diamond mines.

Nearly 5000 persons are organized in the wood pulp and paper industry in Maine. The yield is about 12,000 tons a year.

The number of locomotives in the world is estimated to be 105,000, representing a total of 3,000,000 horse-power.

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HE CALLED AT THE HARDWARE CLUB.

To the Editor of Hardware: Having been engaged in the Hardware business for nearly a half century, I have had many pleasant experiences of a social nature, when, upon occasion, I have been thrown into connection with my brethren of the trade.

I wish, however, to occupy a portion of your space, in stating that nowhere in my long pilgrimage through the Hardware world, have I found more pleasant greeting, or been surrounded by more hospitable environment, than was my pleasure to experience yesterday, when a guest of a leading member of the Hardware Club of New York.

Residing, as I do, some miles from the seashore, I was attracted, first, by the magnificent view from the club windows of New York lying at our feet; especially the glimpses that we had of the bright waters of New York Bay and its two rivers, lying sparkling under the bright April sun.

Almost as bright, and certainly as sparkling, was the cheerful recognition that beamed from the face of my dear old friend, Peter McCartee, the president of the club. I am told that from 12.30 to 2 P. M., it is the business and pleasure of Peter to flit from one table to another in the club room, shaking hands with his friends, and making his visitors feel in their heart every possible vibration and variation of that dear old song, "Home, Sweet Home." It is possible that Mr. McCartee finds time to eat his luncheon during these hours, but so far as I can learn from the members, no one has ever seen him occupy a table for five consecutive minutes. The few moments that he is anchored in his chair, are taken up with visits from the members of the club, who gather about him.

It is seldom that a countryman is permitted to enjoy a more attractive sight, than to see some four hundred business men and their friends, during the rush hour of each day, in this club. The white table linen, the cut glass, the silverware, and the bright sunshine which peers into every window, make the scene one of peculiar attraction; and when you come to the menu—the Lord preserve us from indigestion and give us our best hold upon our appetites whenever we visit this club!

At a central table, I saw my old and long-time friend, George Sargent. I do not know just how many years he carries, but whatever they are, he carries them well. At another table, I saw our friend, Hobart Weed, from far-off Buffalo, and they tell me that since he has established a branch office in New York city he has become more and more metropolitan in his looks, aspirations and business methods. As I do a great deal of business with Buffalo, I hope that Hobart will not outgrow himself, and all the rest of us, and become entirely New Yorkish.

I was introduced to a number of the officers of the club. I do not know upon what principle of natural selection these governors were picked out, from the great body of available material within reach of the club, but the casual eye of a stranger would suggest that it was largely upon their good looks. There is my friend, Bissell, with the silver hair and the youthful face; the aldermanic and poetical Walkley; the youthful and sprightly Van Glahn, and that Colossus of the club finances, friend Keating.

They tell me that the club has been most admirably managed since its inception, and that there has been only one change in the Board of Governors during that time, and that was caused by the death of the first president, W. H. Williams, and the election of his successor. The name of the new governor happens, for the moment, to have escaped my memory.

I wish we had a club of that kind up in our town. I do not see how it can be brought about. There are two Hardware stores besides my own, one of which is owned by a widow, and managed by her son, and the other is in the hands of a receiver; and I do not exactly see my way clear to the formation of a club, which should be composed entirely of myself, a middle-aged widow, of good looks, and a representative of the courts. I do not, however, see how any city of any size can get along without an organization of this character. I am told that a great many thousand dollars were required to fit up the Hardware Club in its present shape, and certainly no better investment was ever made by the Hardwaremen of New York.

If an organization of this kind had been proposed some thirty or forty years ago, and each member of the trade been compelled to go there under pentalty of death or loss of the elective franchise, each one would have slipped a knife into his boot, and a shotgun under his overcoat, before attending the meeting or going to his luncheon, under the expectation of having a scrimmage before coming away. Are men better than they were in those days, or have they more sense? We used to prate a great deal more about fraternity and universal brotherhood than we do at present, but did we *live them* as some of us are trying to do now?

There may not have been much Christianity formally recognized in the creation of this club, and the making of its constitution, but the real essence of Christian brotherhood is breathed through every line of that document, and is seen in every intention and purpose of the organization.

Pereaps friends Clinch, Ogden, Hayden and the rest do not regard themselves as missionaries to the benighted Hardwaremen of New York, but the work that they and their associates have done in this club, and the impulse of fraternity it has given to similar organizations elsewhere, are essentially missionary in their purposes and results.

You will pardon me for the above extended comments, but I came away from the club this afternoon full to the brim—not with the waters of Milwaukee, or the vintage of California, but of a mighty good dinner (at my friend's expense) and of fraternity, good will and happy appreciation. Long live the Hardware Club of New York, and may there be many like it!

A. N. OLDMAN.

The Peru Electric Mfg. Co., Peru, Ind., inform a *Hardware* representative that there was never a time in the history of their factory when there was so great a demand for their Laclede and Hercules carbon batteries. The use of these goods is being extended to door-bell, telephone and annunciator work, and are also being used very extensively for medical battery work. As the telephone is becoming more and more an article of popular demand in the country, as well as in the city, the thoughtful Hardwareman will at least take the pains of investigating his opportunities for being first in the field in his section. A line dropped to the Peru Electric Mfg. Co. at the above address, will furnish some information which it might be worth the while of a Hardwareman to possess.

Ambition has ruined many a man, but without ambition all men would be nonentities.—*Hardware and Metal Reporter.*

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The Hymn of Pittsburg.

In a recent speech upon the tariff question, in the national House of Representatives, the Hon. John Dalzell, of Pittsburg, paid an eloquent tribute to his home city, to which he referred as "that great city, that at the headwaters of the Ohio, is known in every mart where civilized men exchange commerce, as the favored child of a protective system." He then quoted a portion of a stirring poem entitled "The Hymn of Pittsburg."

An editor of *Hardware*, who was interested in the speech and the poem, wrote to Mr. Dalzell, who responded that the quotation was from a poem written by Col. Richard Realf, a young Englishman who went to Pittsburg some years ago, where he worked upon the local newspaper press. He was a man of fine talents, but unfortunate in his domestic relations, and subsequently committed suicide. Col. Realf was a devoted personal friend of Percy F. Smith, a publisher of Pittsburg, and a frequent visitor at his home. By the kindness of Mr. Smith, we are enabled to reproduce the poem in full:

My father was mighty Vulcan,
I am smith of the land and sea;
The cunning spirit of Tubal Cain
Came with my marrow to me.
I think great thoughts, strong winged with steel,
I coin vast iron acts;
And weld the impalpable dreams of seers
Into utile lyric facts.

I am monarch of all the forges,
I have solved the riddle of fire;
The Amen of Nature to the need of Man
Echoes at my desire.
I search with the subtle soul of flame
The heart of the rocky earth,
And hot from my anvils the prophecies
Of the miracle years blaze forth.

I am swart with the soot of my chimneys,
I drip with the sweat of toil,
I quell and sceptre the savage wastes,
And charm the curse from the soil.
I fling the bridges across the gulfs
That hold us from the to Be,
And build the roads for the bannered march
Of crowned humanity.

Changes in Chambers Street.

The improvement contemplated by the city in the erection of the new Hall of Records, for which purpose it is proposed to cut the block in two which is bounded by Broadway, Centre, Reade and Duane Streets, will make it necessary for a number of well-known houses identified with Hardware to find new homes. Discounting the usual delay which attends these local changes, no great amount of anxiety in regard to future movements is noticeable. Some of the leases will run for a year yet, and if possible to hold on until that time, satisfactory locations might be found which to-day seem very scarce.

Among those to be affected by the improvement will be Sargent & Co., Peck, Stow & Wilcox Co., Stanley Rule & Level Co., Wallace & Sons Co., Oliver Bros., Hall-Marvin Co., and a number of others.

The original extension of Elm Street designed making a street 100 feet wide, to which Elm Street was to be widened, and if this was continued through the block it would cut exactly in the centre of the building of the American News Co. The engineers, however, in drawing up the original plans, desired to escape the decidedly uneven grade of the street between Reade and Worth Streets, and in making the survey for the change intended, made a sharp turn to the left at Worth Street, which by cutting through the blocks between Worth and Pearl, Pearl and Duane and Duane and Reade, would reach Centre at Duane Street, with the formation of a plaza at that point.

This was accomplished by doing away with the two triangles of buildings which those familiar with the locality will remember exists just at this point; one bounded by Reade, Centre, City Hall Place and Duane Streets, and the other by Centre, Reade and City Hall Place, running to a point at Chambers Street. This plaza will greatly relieve the usually heavy trend of traffic constantly converging at this point with Broadway for its destination. This programme had already been decided upon before the decision was made to cut through from Reade to Chambers Sts. by a narrow street, which would leave the American News Co. building intact, and on the square thus formed of the east end of the block, will be erected eventually the new Hall of Records, which it is intended shall be a municipal structure that will reflect credit upon the resources of Greater New York.

Some Views of the Times.

Charles S. Fairchild, former Secretary of the Treasury: "Things are drifting along with a tendency toward better times."

Samuel Spencer, president of the Southern Railroad: "I believe that we shall have good times all over the country within a few months."

George Bowdoin, of J. Pierpont Morgan & Co.: "I think there is a gradual and genuine improvement in the business world."

G. G. Williams, president of the Chemical National Bank: "Business is fair. Things are picking up,"

M. C. Borden, the Fall River manufacturer: "I think that the fall trade will be much better than we have had for some time past."

William Shearer, superintendent New York Clearing House: "Things are undoubtedly better."

John A. Stewart, president United States Trust Co.: "Things are picking up a little."

Edward King, president of the Union Trust Co.: "I think we are on the upward slope."

John Claflin, of the H. B. Claflin Co.: "We are on the road to prosperity again, and no mistake. The clouds are breaking and the skies are brightening. We have touched rock-bottom, and from now on there will be an upward movement. I am absolutely sure of this."

Infringement Suit.

A suit has been brought in the United States Court at Toledo, Ohio, by the Miami Cycle & Mfg. Co., of Middletown, Ohio, against the Union Mfg. Co., of Toledo, manufacturers of the Viking bicycle, for alleged infringement on the Racycle crank hanger, the patents of which were granted to the Miami Cycle & Mfg. Co. in 1895, in this and all foreign countries. Suit is not only brought for infringement of the patent, but also for an accounting of the profits in the manufacture of all such wheels using their crank hanger and a temporary restraining order has been asked for. A similar suit to the one now pending has also been filed in Paris against a French company that have adopted the use of the same device.

Elected to the Club.

At a regular meeting of the Hardware Club of New York, held on April 15th, the following gentlemen were unanimously elected to membership:

Edward C. Miller, vice-president Magnolia Metal Co., No. 266 West Street.

Charles H. Till, assistant general manager Columbia Rubber Mfg. Co., No. 66 Reade Street.

J. P. Clarendon, No. 78 Gold Street.

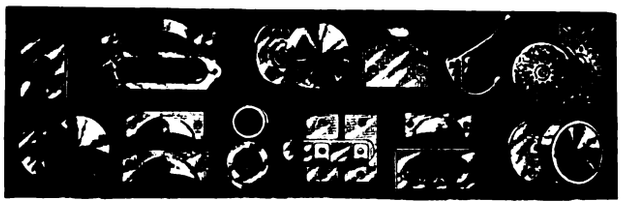
The gold production of the United States for 1895, as received by the mint bureau, was $53,026,344. This was an increase of 35 per cent. over the production of 1894.

HARDWARE costs only One Dollar a year.

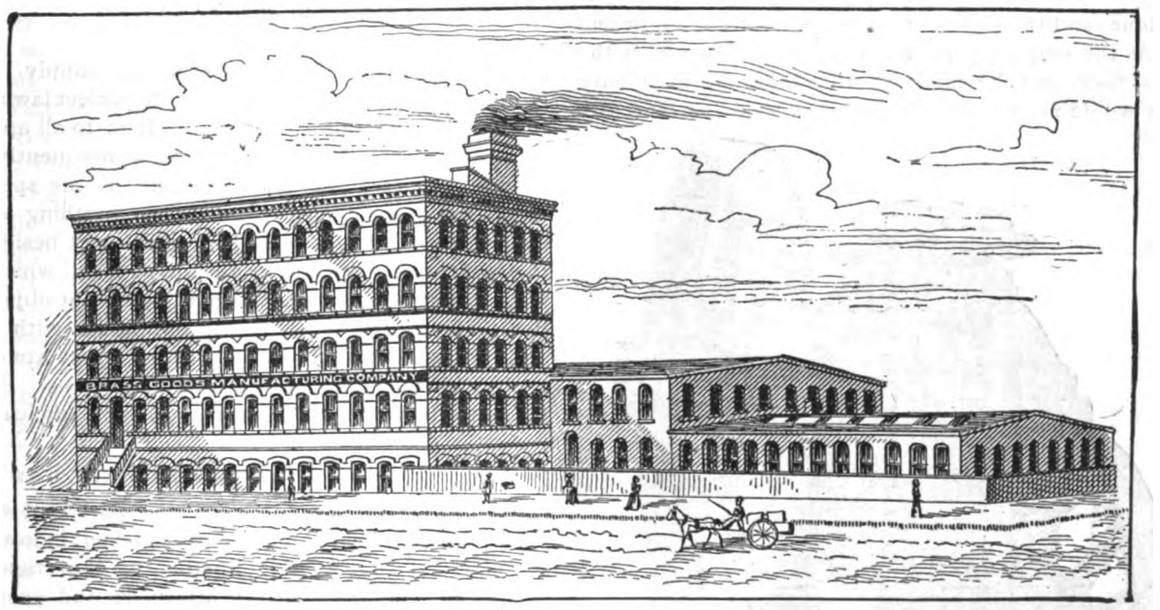
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The Brass Goods Mfg. Co.

Among the leading manufacturers of builders' Hardware and similar brass and bronze goods required by the Hardware trade of the country, the name of the Brass Goods



Mfg. Co. has long been prominently identified, and the intrinsic character of whose production has made their success too well known to be disputed. We present herewith an illustration of their office and factory, situated at Nos. 84 to 92 Third Street, Brooklyn, N. Y.; their New York city salesroom being located at No. 88 Chambers Street. Possessing adequate factory facilities for turning out an extensive line of builders' Hardware, manufactured from plain wrought bronze and brass, their product will be



found on the shelves of every leading jobber of Hardware making a distinctive feature of the class of goods embraced under the head of builders' Hardware. The leading items of this annually increasing line of goods are shown in the smaller illustration given in this article. Their facilities being ample to produce their specialties in the largest quantities, factories running goods of this character would find that a long attention given to economy of production enables this company to offer their services in the production of any goods of new design which they may desire made to order. Correspondence having this object in view is solicited at all times.

The attention of readers is called to the advertisement of the Wallace Barnes estate, on page 2, of this issue. This concern carries a large stock, and a great variety of high grade, cold rolled steel. Hardware dealers when in want of thin gauges of steel, or sizes difficult to find in an ordinary stock, are sure to find what they want by writing to this concern. Besides their stock of cold rolled steel, they carry a complete stock of music wire, and of soft wire suitable for tempering; their specialty, however, is making springs to order. This business was established by the late Wallace Barnes in 1857, and is now managed by his son, C. F. Barnes. During the last four years this house has built up a reputation for good work and honest and liberal dealing, which will warrant us in assuring our readers that all orders placed with them will be filled at prices as low as is consistent with the class of work they turn out.

The Canadian Tariff.

The *Canadian Manufacturer and Industrial World*, of Toronto, intends publishing a special edition of the "Canadian Manufacturer," containing, as soon as they become laws, the new Canadian tariff, and the new United States tariff, also the British tariff and the British Merchandise act. These important laws will be printed from authentic copies obtained from official sources, and will be found correct and full in every particular. To have these important papers, accurately reproduced, and all within the covers of one periodical, would undoubtedly be found very useful, and contribute greatly to its preservation.

Lightning Absorbent Blotting Paper.

The J. D. Johnston Co. Newport, R. I., in connection with their prepared glue business advertised in our columns, are placing upon the market an excellent article under the name "Mill 44, Lightning Absorbent" Blotting Paper with which they desire to supply the Hardware trade for the purpose of local advertising. It seems to be admirably adapted for the purposes indicated. Sample lots of sixteen large pads in three colors will be sent on receipt of ten cents.

John W. Sudlow, patentee and manufacturer of the Dandy Sink Cleaner, No. 986 Halsey Street, Brooklyn, N. Y., whose article is illustrated upon page 7 of this issue, states that trade has improved with him very much, and that people generally seem to recognize at a glance the value of the neat and handy little article which he manufactures.

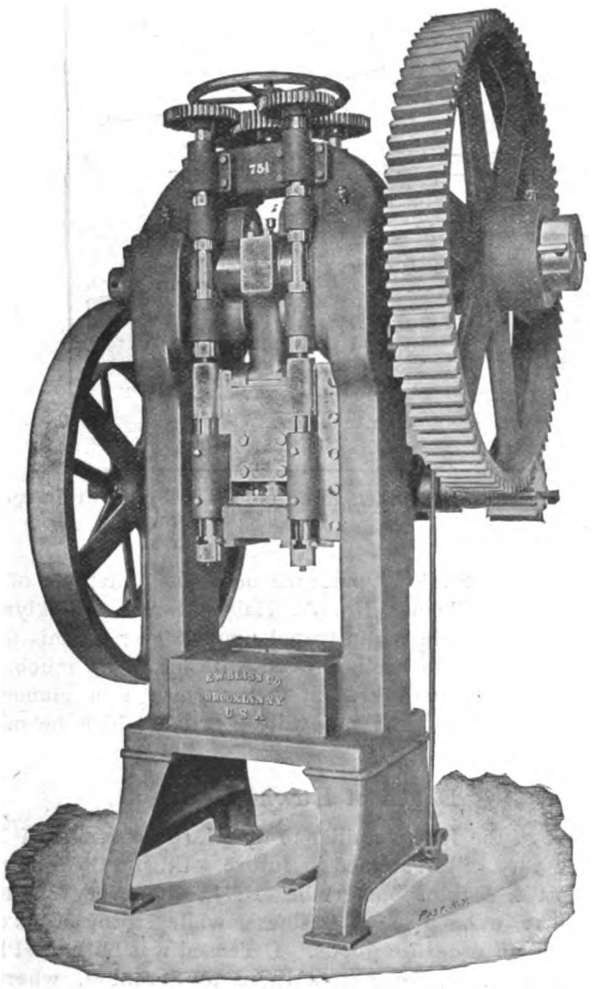
Death of Edwin C. Schott.

One of the faces familiar to the Hardware trade of New York City will be missed in future. Edwin C. Schott, of Schott & Dakin, Somerville, N. J., died very suddenly April 12, at his place of business, while sitting at his desk writing an order for goods. Deceased was born in Philadelphia in 1828, going from there to Scranton, where he was ten years in business, and then retired from active pursuits for a while; in 1868 he went to Somerville, N. J., entering into partnership with W. H. Dakin, under the firm name of Schott & Dakin. Mr. Dakin withdrew from the firm three years ago, but the deceased continued the business alone. Mr. Schott always lived very quietly and unostentatiously, and was one of Somerville's most respected citizens. He was at one time president of the Somerville Dime Savings Bank and was, at the time of his death, a director of the First National Bank. A widow and two adult daughters survive him.

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"Bliss" Punching Press, with Cam-Actuated Stripper.

The press shown in the accampanying half tone should be of interest as showing the possibilities of up-to-date punching practice, and as suggesting to what extent the press is now usurping the function of the drill. The principal noticeable feature of the punch here shown is in the cam-actuated stripper device. Piercing dies having stationary strippers are quite liable to distort the plates which are pierced by them, to such an extent as to require subsequent straightening. The stationary strippers are also a great hindrance to rapid and accurate work, the blank having to be placed under them and withdrawn from them in a very inconvenient and time-taking manner. In the present punch, the stripper plates are attached to four heavy vertical rods, and these receive motion from two cams on the main shaft. When the stripper is up, a free space is left between punch and die, enabling the operator to manipulate and observe his work quickly and accurately. The stripper plate comes down on the blank first, straightening it and clamping it tight before the punches enter, and holding it while the punching and stripping is being done, and the work comes out perfectly straight and true. As the stripper plate moves up and down with the punches, they may be made shorter than the stationary stripper would permit, and the punches used are therefore

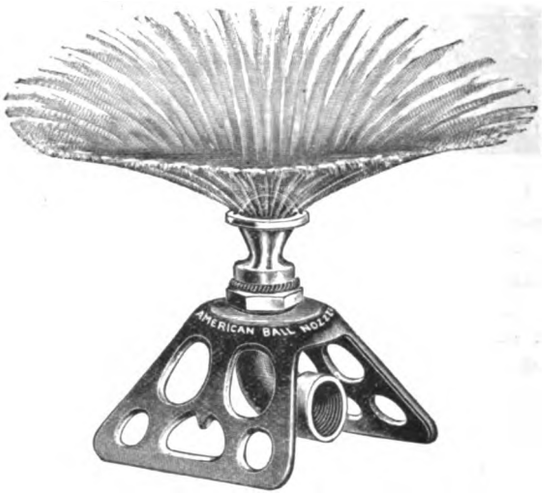


more resistant and lasting. This stripper also enables the punching of smaller holes in proportion to the thickness of the stock, the stripper acting as a guide for the punches up to the moment when they enter the stock. The press has a 6 inch shaft, weighs about 15,000 pounds, measures 24 inches, between the housings, and is geared 1 to 7½. It is built by the E. W. Bliss Co., No. 18 Adams Street, Brooklyn, N. Y., who will be pleased to furnish further information upon application.

HARDWARE's,, Prices Current" are reliable.

The American Ball Nozzle Lawn Sprinkler.

E. C. Stearns & Co., Syracuse, N. Y., are distributing to the trade the American Ball Nozzle Lawn Sprinkler, the operation of which for the purpose indicated makes it one of the wonders of the nineteenth century. Among the many useful applications that can be made of the ball noz-



zle principle in the distribution of a water supply, this should be one of the most popular, for a more perfect lawn sprinkler it would be difficult to imagine. It is to all appearances simply perfect. No fragile parts, consequently there is nothing to break; no back pressure, so the sprinkling is more like a downpour of rain than anything else, being similar in action to a regular fountain; and beside all that, the manner of operation by the aid of a ball which remains at the point of pressure, makes it a constant object of wonder and surprise even to those familiar with the principle of its action. It most prove a great atmospherical cooler when the "dog days" are upon us. Prices and terms to the trade will be furnished upon application.

Go and See It.

The Hardwareman who visits New York, and who wishes to find a place where an evening can be put in to advantage, is reminded that a large number of the friends of his youth, may be found every afternoon and evening, over in Brooklyn. These friends are aggregated under the name of the Barnum & Bailey Greatest Show on Earth. One may be as old as Methuselah, and as hard-hearted as Plymouth Rock, and yet if he was ever a boy, he cannot attend this great show without feeling that he is a boy once more. It is needless to say that the exhibition is up to its former reputation, and that the attractions which continually fill three rings from eight o'clock until eleven, are the result of a search the world over for novelties in the circus line.

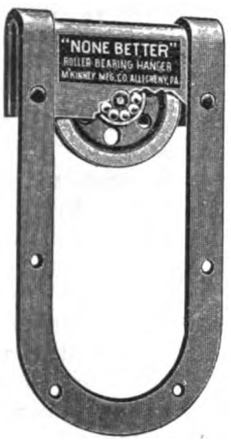
Special attention is called to the advertisement of the Union Electric Co., Cleveland, Ohio, on another page, who are manufacturers of all kinds of telephones. This company have perfected a very superior system for private telephone lines, connecting the different departments of large stores, factories and office buildings with each other, which proves of the greatest convenience as well as a great time saver for the various heads of departments. If any are contemplating putting in a plant of this kind, we would suggest that they correspond with the Union Electric Co. and get their catalogue and prices.

The International Cycle Fittings Co., manufacturers, exporters and jobbers, intend to remove their business from Nos. 70 and 72 Reade Street, New York, to No. 74 Reade Street, on or about May 1st, where they will carry a full line of bicycle sundries and fittings as well as a complete line of built-up wheels and frames.

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"None Better" Steel Door Hangers.

The McKinney Mfg. Co., Allegheny, Pa., have recently added to their line of Roller Bearing Steel Door Hangers, marketed under the name of the "None Better," a new size, No. 1 Special, which, while strong enough to carry any ordinary door, is more especially intended for use on single or small double doors. It can be used on any ordinary track having anti-friction rollers, cold rolled steel axles, and fully covered from the weather. With the exception of the pulley, it is built entirely of wrought steel. The list price is $15.00 per dozen pairs.



New England Hardware Dealers.

The regular monthly meeting of the New England Hardware Dealers' Association was held on Wednesday, April 14th, at the United States Hotel, Boston, at 5:15 P.M. Covers were laid for about sixty. After the dinner, the president, with a few well-chosen remarks, introduced the guest of the evening. Col. Albert A. Pope, who, in a very jovial and off-hand way, entertained the members with the progress of the bicycle from 1600 to the present day. The principal object of the members was to hear from Colonel Pope his idea as to the advisability of Hardware dealers handling bicycles. The colonel was more strongly in favor of regular agents, but said that Hardware dealers could handle them if they put the same energy into it that they would into their regular business. He said one of the most essential things to make bicycles pay was a repair department; if they would establish that, there was no reason in his mind why they could not handle them successfully.

The Era of Prosperity at Hand.

Business has been dull long enough.
Business revival is not coming—it is here.
Business can't help being good.
Business is ready to jump—help it jump.
Meet your customers—don't drive them away.
Reach out both hands to welcome new customers.
Look cheerful—be cheerful—spread cheerfulness.
Don't talk hard times to anyone—forget all about the hard times.
Get ready to take advantage of the good times—adopt the National Cash Register System in your store, and make more money this year than you have for the last five.

Read the advertisement of the National Cash Register Co. on page 41 in this issue.

W. C. Heller & Co., Montclair, N. J., manufacturers of steel shelf boxes, mail boxes, wire stretchers and road plows, inform us that business in their factory is very good. As they are also interested, both as wholesalers and retailers, in the sale of general Hardware, they also inform us that their business has been very fine this last three weeks, and that all the builders and contractors in their section have all they can do. They add: "We feel as though we were going to have a better season than ever before."

Mr. Dunham, of the Dunham, Carrigan and Hayden Co., San Francisco and New York, has been among the visitors to New York of late. His partner, Mr. Hayden, saw that he had a chance to test the full capacity of the Hardware Club.

The Champion Germ-Proof Water Filter.

Pure water for drinking purposes is universally looked upon as a necessity, and devices which aid in securing it are constantly sought after. The Champion Safety Lock Co., Cleveland, Ohio, recognizing this demand, have recently improved their "Champion Germ-Proof Filter" so that it can be more readily attached to the water service system of a building. Fig. 1 shows the filter attached to

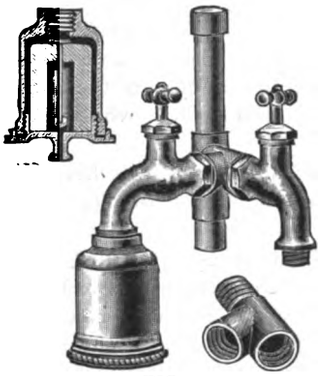


FIG. 1.



FIG 2.

a bibb independent from the one used for supplying water for other domestic purposes. Provision is made for this additional bibb, by means of a three-way connection, shown in Fig. 2, which should be connected with the service pipe. This connection furnishes two openings, one to be used by the bibb for general purposes and the other by the bibb for the filter. Fig. 3 shows a new slip connection, which is made to fit any size smooth bibb and has one end threaded to fit the Champion Filters. A new size has also been added to this excellent line of filters, called the 1½. This has been especially made, it is stated, to meet the demand for a large capacity faucet filter that can be sold at a low price. The construction is on the same principle as shown in Fig. 1.

The filtering medium used in the Champion Filter is a natural stone quarried from mines and turned on special machinery made expressly for this purpose. This stone is



FIG 3.

said to be the most perfect filtering medium known, and the impurities never penetrate the surface. Its pores are so constructed by nature that, while allowing the water to percolate rapidly through them, all germs, microbes and impurities of every description remain on the surface, from which they can be easily washed, the stone remaining white and pure. Circulars giving prices and describing the filter and its connections can be secured by application to the manufactures.

"Ow! I say," said Cholly Peachblow,
"That razor pulls a lot;"
And the mean old barber bluntly asked
The callow youth, "Pulls what?"
—*L. A. W. Bulletin.*

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A Clever Capture.

A forged order purporting to come from the Biddle Hardware Co., of No. 507 Commerce Street, Philadelphia, and asking for goods, resulted in the arrest of Harry C. Williams, an alleged swindler, for whom the police have been looking for a long time. No less than a dozen Hardware firms in the city have been victimized to the extent of several hundred dollars each during the past few months, according to the prisoners own admissions, by forged orders, which he has succeeded in having filled. Williams' mode of getting goods was to secure an order blank from a well-known firm, fill it out in the name of a member of the company and then give it to a messenger boy, who would present it to be filled.

The prisoner, being charged with forgery, was held in $1000 bail for a further hearing, by Magistrate South, at City Hall.

Mr. Knight, of the Biddle Hardware Co., testified that he was called to the telephone in his office by the Rose Mfg. Co., of No. 311 North Third Street, and was asked as to the genuineness of an order for a dozen bicycle lamps, which a boy, claiming to be from the company, had presented.

As the firm never orders less than a case of such goods, witness at once suspected that something was wrong, and telling Mr. Rose to hold the boy, notified the Fourth district. Special Officer Redding, who was detailed on the case, instructed the firm to let the boy have the lamps.

The boy left the store and was closely followed by Officer Redding, and as the defendant, who was awaiting to meet the boy, advanced to relieve him of the lamps, he was arrested and taken to the station house. Officer Redding also testified that he has been after Williams since the 1st of last January.

Recent Deaths.

Daniel Dillman, a prominent citizen of New Holland, Pa., and for many years engaged in the Hardware business at that place, died suddenly from heart disease, April 1st, aged seventy-one years. A wife and child survive him.

George Christie, one of the best known and respected citizens of Paterson, N. J., died at that place, March 31st, in his seventy-third year, from a stroke of paralysis, received a week previous. He was an old Hardware dealer of Paterson, having in 1882 embarked in that business with his son-in-law, George A. Myers. For a number of years Mr. Christie has been living in retirement, his son, A. R. Christie, conducting the business. The deceased was twice married. His second wife and six children survive him.

John J. Kennedy, the well-known business man and former proprietor of the Branford Lock Works, died suddenly, April 4th, at his residence in New Haven, Conn. He was stricken with apoplexy and expired in a few hours. John J. Kennedy was the son of the late Thomas Kennedy, the founder of the Branford Lock Works, and one of the leading manufacturers of this section a quarter of a century ago. After his establishment of the large factory in Branford, Mr. Kennedy, the elder, died rather suddenly while on a trip to the South, and the superintendency of the factory passed into the hands of his son, who died recently. John J. Kennedy continued as superintendent till the Yale & Towne Mfg. Co. purchased his interest about five years ago. He was widely known throughout the State. His genial manner, remarkable executive ability and good fellowship have made him popular wherever known. Mr. Kennedy was forty-nine years old, and leaves three daughters surviving him.

Bruno Kehtel, of the Hardware firm of Helbing & Kehtel, died on April 7th of typhoid fever at his home in Duluth, Minn. He was one of the most prominent young Germans in that city, having resided there about seventeen years. He was thirty years of age. A wife and three children survive him.

William Adams, senior member of the Hardware firm of Adams Bros & Co., died April 7th at his home in Knoxville, Tenn. He was seventy-seven years of age, and leaves a wife, one daughter and two sons. He was born in Hartford, Conn , but has resided in Knoxville since he arrived there eight years ago, when, with his sons, he opened a Hardware store which continues to this day.

Frederick Nusbickel, who for twenty years conducted a successful Hardware business at Lyons, N. Y., died on April 8th, of paralysis, in that town, at the residence of his son. He was seventy-six years of age, and is survived by a son and four daughters.

Louis F Dunbar, the traveling representative of Sargent & Co., in the State of New York and Pennsylvania, died on Monday last, at his residence in this city, after a brief illness. Commencing as a boy with the company above mentioned, he filled successfully the intervening positions until he graduated as traveling salesman. He was highly regarded by his associates in the house he represented, and was esteemed by its patrons, whom he periodically visited, as an intelligent gentleman fully conversant with the business so confidently entrusted to his conscientious care.

William A. Hungerford, who has been for many years connected with the brass and copper industries, died April 16th at his residence in this city from peritonitis, after an illness of only one week. At the date of his death he was treasurer of the Benedict & Burnham Mfg. Co. He was known to be actively interested in other enterprises, notably the Waterbury Watch Co. and the Gas Engine & Power Co. He was a member of the Hardware, Union League and Colonial Clubs; the New England Society, and the Society of the Sons of American Revolution. He is survived by a widow, two sons and a daughter.

John Lane a pioneer manufacturer of Chicago and an inventor of note, died at his home in that city on April 17th. He was 73 years of age and for a long time had been a sufferer from heart trouble. Mr. Lane was born in New York State and came to this city in early manhood, establishing a plow factory and cutlery shop. He was the inventor of the "iron center" in metal work, and his patented process of silver plating on iron made him famous His sons conducted the plow factory up to the time of the fire in 1871. Mr. Lane leaves two married daughters and two sons.

George T. Moe & Co., oil, gas and gasoline stoves and heaters, No. 50 North Second Street, Philadelphia, inform *Hardware's* Philadelphia representative that business is beginning to brighten up, and that they expect a large trade this year in blue flame oil stoves, gas stoves, etc. They also state that they could handle a good medium and a cheap bicycle to the advantage of manufacturers, as they are in constant communication with a large number of dealers, many of whom could be induced to handle a medium and cheap wheel, if he same were right in quality and looks. Here is a hint to manufacturers who are looking for a source through which to market their goods.

The Stoddard Mfg. Co., Dayton, Ohio, have in their catalogue "M" something which every Hardware dealer who is interested in bicycles, or expects to be, should send for and carefully examine. This company has been very successful in their Tiger and Tigress bicycles, which they say contain "no castings, no freaks, no nonsense." Drop them a postal card asking for this catalogue.

Among the recent visitors to the Hardware Club, was H. H. Bishop, of the McIntosh-Huntington Co., Cleveland Ohio.

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The American Seal Paint Works.

It is with pleasure that we illustrate in this connection another of the live and enterprising concerns of Troy, N. Y. The extensive factory herewith shown is pretty well known throughout this country and in foreign parts as the place where the well-known American Seal paints and colors are manufactured. This establishment is the property of William Conners, and is located at Nos. 677 and 679 River Street, Troy. His specialties are the American Seal ready mixed paints, made in any desired shade or color; American Seal builders' and roofers' materials, among which are elastic oil cement for bedding, slate and tile roofs, for brick and stone fronts, vault lights, metal roofs, and for repairing leaks, roof chimneys, sky-lights and fire walls. He also manufactures the American Seal asbestos cement, stove putty and stove lining for furnaces, stoves and ranges; the American Seal metallic and graphite paints for painting tin, wood, iron roofs, brick or stone walls, or any place where a durable paint is required. Mr. Conners has lately issued a number of very attractive cards showing these goods, with a full catalogue, which gives



prices, discounts, etc. He also manufactures a number of articles, auxiliaries of those mentioned above, and will be pleased to send full information, catalogues, etc., on application.

A Light For the Wheel.

Of recent electrical inventions none are of greater interest than the bicycle electric light, especially at this season with the bicycle claiming the attention of all who ride. To obtain a light that will not jolt out has been the aim of electricians since the advent of cycling. To jolt and depolarize the primary battery has been the aim of electricians. With a perfect jolter like the bicycle the primary battery works to perfection, and the aim of the electrician is accomplished. One of the hardest workers in this branch of electrical science is Albert C. Fletcher, of Cleveland, Ohio, the inventor of the necktie light, pocket battery, etc. The difficulties he has overcome have forced many electricians to the conclusion that the primary battery could never be made the ideal generator of electricity, such as is found in the batteries of the Ohio Electric Bicycle Light. Of this it has been said: "In this invention the generation of gas is overcome, and leaks are unheard of. Those who have worked in this line will appreciate what has been accomplished. How bicycle riders are delighted with the Ohio bicycle electric light can only be realized by those who have attempted to keep lighted an ordinary lantern on their wheels." Lack of space prevents a more lengthy notice of this invention, but all who are interested can obtain illustrated circulars by addressing the Ohio Electric Works, Cleveland, Ohio, who manufacture this and many other electrical novelties.

Business Changes.

An elderly gentleman engaged in business for some twenty years past in New York and its vicinity, and which requires him to visit various lines of trade, said recently: "I find in the last few months that I am obliged to begin all over again. I go into a concern with which I have had dealings for years, and am surprised to find that the man with whom I have been transacting my business no longer sits at the desk. I ask for him and am told that he is no longer with the concern. Another, and in many cases a younger, man is there instead. It is almost like presenting my business anew. There is a perceptible interruption to relations, and an immense amount of new work to be done before I can get back to the position I occupied under the old management. This I meet almost universally. Some establishments have seized upon the present opportunity to rid themselves of dead wood. Others have hired cheaper help. Others have seen the opportunity of pensioning men long in their employ and superseding their somewhat old-fogy management by that of younger men up to date. Were I to tell you the number of cases in which these circumstances come to light, you would be astonished."—*Exchange.*

The following important subjects are very neatly elaborated upon in a very comprehensive circular just issued by the Bissell Carpet Sweeper Co.: Bissell's "Cyco" bearing Carpet Sweepers. Bissell's Display Shield. Bissell's Double Easel,—new. Bissell's Advertising Helps. Bissell's Crystal Sweeper. Cheap Carpet Sweepers. Detailed information concerning the above subjects and the special comprehensive circular above referred to, and which is now ready for distribution, can be had on application to either Grand Rapids, Mich., or the New York city offices of the Bissell Carpet Sweeper Co.

The C. R. Meres Heater Mfg. Co., of Norwalk, Ohio, are putting in one of their hot water heaters, combining hot water for domestic purposes, in the large residence of Judge Clemons, of Marblehead, Ohio. The hot water domestic supply feature of their system is proving a grand success.

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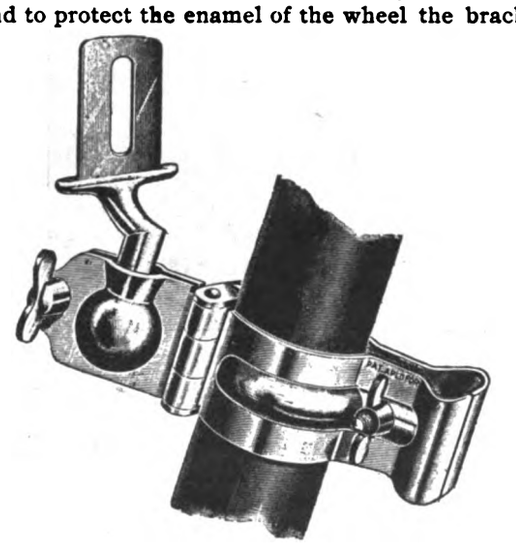
NEW GOODS AND SPECIALTIES.

The Banner Bicycle Bracket.

The Plume & Atwood Mfg. Co., Waterbury, Conn., and No. 29 Murray Street, New York, are placing upon the market in connection with their very popular Banner Bicycle Lamp, a bracket which under the name of the Banner Bicycle Bracket is commanding the interested attention of the trade. The demand is steadily increasing among the



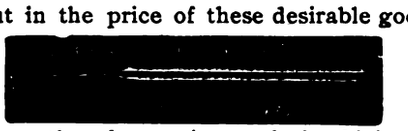
cycle riders for a rigid bracket, and with this idea in view, the Banner was constructed; it can be attached to either post or fork of wheel, and can be used on either the right or left hand side. Having a ball and socket joint, an adjustment to any angle is permitted by its construction; this original feature is highly regarded. It is tightened by thumb screws, which is the most satisfactory form of fastening, and to protect the enamel of the wheel the bracket is



lined with chamois. The bracket is furnished separate from the lamp and with an attachment which permits it to be used on all regular patterns of lamps of other makes than the Banner, for which it was originally constructed.

Cannon's Diamond Point Nail Sets.

The Storm Mfg. Co., Newark, N. J., John H. Graham & Co., No. 113 Chambers Street, New York, sole selling agents, with a view of introducing their celebrated Cannon's Diamond Point Nail Sets in sections where its value is at present unknown, announce in our columns on page 11, a big cut in the price of these desirable goods. The



price is one worthy of attention, and should be asked for at once in order that this advantage may be availed of previous to its withdrawal and the return to usual methods of disposing of the production. These excellent nail sets have been favorites with the Hardware trade for a number of years, and their superiority to many of the nail sets previously used by the trade has been of an unquestioned character. They are carefully made from the best quality of tool steel of standard merit. The points are turned, and thoroughly tempered, and will not break off in the customary use to which they are applied.

Mounted Kitchen Sandstone.

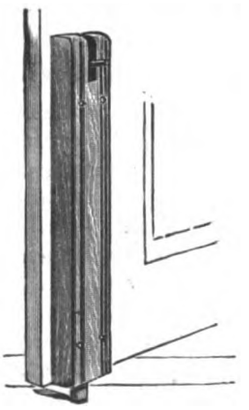
The Pike Mfg. Co., Pike Station, N. H., and No. 151 Chambers Street, New York, are the makers of a new



sharpening and scouring stone intended for table, kitchen and butcher knives, which forms one of their many seasonable specialties. The accompanying illustration shows the article so clearly, that any detailed description would seem to be unnecessary. It consists of a sharp grained sandstone 8½ inches long by 1½ inches square, mounted in a neat box. This stone is well adapted to sharpen all knives that require a coarse, quick-cutting edge, and very useful for scouring sinks, kettles, etc. The box not only makes it a much neater and more attractive article to sell, but protects the stone from breakage. It is designed to be sold for ten cents, and the low price insures a large sale The trade prices will be furnished upon application.

The Phillips Door Holder.

The A. J. Phillips Co., Fenton, Mich., are placing upon the market a specialty in the shape of a convenient door holder, which it is intended shall meet with a large sale at the popular price of ten cents. As indicated in the illustration, it is provided with a rubber foot having a strong spring. When not in use it is raised by turning the heavy wire lifting stem. It is principally intended to keep doors from swinging and slamming; when attached to a door, the

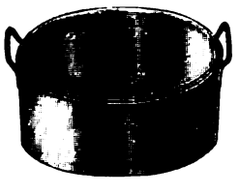


wire stem is turned, which allows the rubber stop to press upon the floor. It can be relied upon to hold the door partly open, or wide open, making it extremely easy to regulate the temperature of the room where it may be used, and making the use of chairs, bricks, and other articles entirely unnecessary for the purpose of holding the door in position. They are made from hardwood well oiled, and packed for the trade in boxes containing two dozen, the list price being $1.20 per dozen.

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The Eynon Patent Mixer and Beater.

Eynon & Sons, No. 122 North Sixth Street, Philadelphia, Pa., are manufacturing and introducing to the trade in Hardware and house-furnishing goods the "Eynon Patent Mixer and Beater" for household use, which is a device for mixing and beating sponge or batter for cakes,



PAN



puddings, custards and icing, mashing potatoes or other vegetables, beating eggs, making butter, etc.; in fact, it seems to be a combination tool for kitchen purposes, which serves completely and satisfactorily the uses of the various utensils at present in vogue. The device as shown in the illustration, is 4½ inches deep and 8½ inches in diameter, for a capacity of one gallon. When the handle is turned around in the operation of the mechanical lid, the rotation of the same carries with it the small pinion wheels to which are fastened the secondary arms, the motion to which is imparted by the central stationary spur gear. These secondary arms being rigidly connected with the said pinions, rotation is consequently imparted to the beaters attached to them; they are consequently rotated while they are being carried around the mixing pan. This system of imparting the necessary complex motion referred to makes it possible to beat thoroughly the contents of the pan, without imparting that centrifugal motion which usually results in throwing out the contents unless reduced to quarter the capacity. When the lid is removed, all the operative parts being attached to it, the contents of the pan are left without obstruction of any kind, and can readily be removed. One turn of the handle producing five revolutions, readily explains the rapidity with which the device

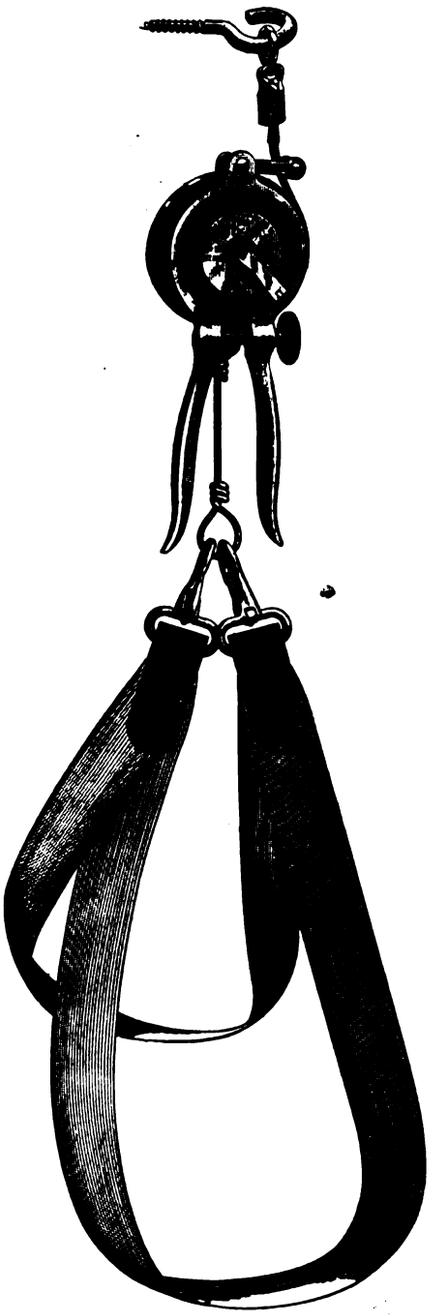


MECHANICAL LID

does its work. Circulars giving full information, as well as a number of testimonials regarding its merits, will be furnished by the manufacturers upon request.

The Economy Pocket Fire Escape.

The Economy Mfg. Co., No. 60 Broadway, New York, are introducing the Economy Pocket Fire Escape, which we illustrate on this page. This fire escape seems to possess so many commendable points of excellence and utility in its construction, as to make its advent welcomed by those who have made a study of such methods for securing safety in the presence of an appalling danger. In the device employed, there are no bulky ropes, cords or wire cables, but instead of these a steel tape is used, 75 feet in length and capable of sustaining 1000 pounds. This steel tape is one of the special features of this machine adding greatly to its portability. The entire machine is made of metal, is handsomely nickel plated and weighs only 28 ounces; the metals used in its construction being steel and phosphor-bronze increases its reliability, and by means of the surface contact of the steel brakes with the phosphor-bronze brake-wheel, the greatest degree of frictional resistance combined with the perfect smoothness of movement is obtained, which would be unattainable in any other way. To provide for the descent of a person made helpless from giddiness or fright, the machine can be so adjusted and set by means of the set screw on the handles, as to drop a person a given distance with a gradually retarded motion until stopped at the point of safety. Primitive methods such as sliding down a rope or wire cable are avoided. The brake which regulates the speed is positive in character and the



tape simply unwinds, and the descent of one, two or even three persons is effectively regulated by the grip of the hand. The fact that every part of the machine is carefully and thoroughly tested before leaving the factory, inspires that feeling of confidence in its use which would underlie its adoption. The body support, or seat, being made of flexible webbing, folds up so effectually, as to enable the complete machine to be carried if necessary in a hip pocket; the mechanical ingenuity exhibited in its construction is certainly of a high order. The value of a fire escape so simple in its method, in private houses, hotels, flats, apartments, factories and school buildings, can hardly be over estimated, and this one seems so practical that any one can use it, and at the same time so small, light and compact,

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that it can be carried about so easily as to cause not the slightest inconvenience.

Simplex Hose Mender and Coupling.

King & Knight, Boston, Mass., are placing upon the market two very useful specialties suitable for the season, and which we illustrate herewith. The article which is

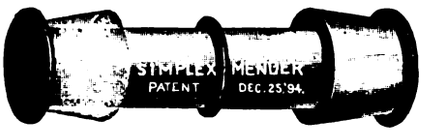


FIG. 1.

shown in Fig. 1, is the "Simplex Hose Mender," which is a very simple contrivance intended for the repairing of defective hose. It is made of iron suitable for ½, ¾ and 1 inch hose; it is designed to hold the hose by undercut cone ends, which require no clamps or bands. The "Simplex Hose Coupling" illustrated in Fig. 2 is made of brass, and in sizes suitable for ½ and ¾ inch hose; the cone ends are cut in such a way that they form an anchor fastening

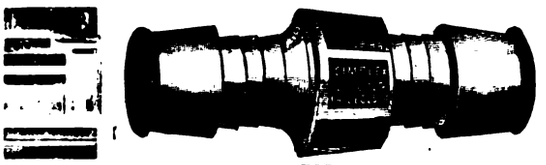
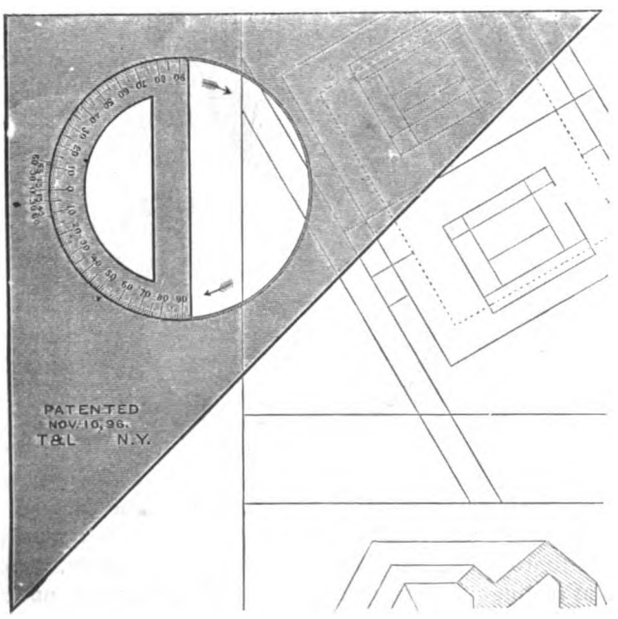


FIG. 2.

which enables them to become imbedded in the hose in a manner so firm that no hydrant pressure can dislodge the coupling or blow it out. The couplings are pushed into place as is customary with other styles, but needing no bands or clamps to hold them in their place.

Belcher's Combined Triangle and Protractor.

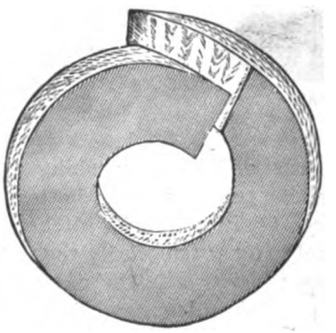
Among the many tools of great utility with which the recently issued catalogue of Tower & Lyon, No 95 Chambers Street, New York, is well filled, we notice the extremely useful "Combined Triangle and Protractor," made under Belcher's patents, which we illustrate herewith, and should prove an indispensable tool for architects, draughtsmen and all technical students. It is very simple in construction, and yet can be manipulated in its many operations with ease and accuracy. Combined with a draughtsman's



transparent triangle, it forms a protractor that is simply perfect. The protractor is fitted by a double bevelled edge into a corresponding groove in the circular opening in the transparent triangle, where it is held securely by a spring adjusted to rest in the groove completing the circle. In this way the protractor is held firmly against displacement, while at the same time it may be quickly rotated to perfect adjustmeut for the angle of any degree or fraction of a degree which may be desired. Price complete is $3.00 each.

Gould's Steam and Water Packing

The Gould Packing Co., No. 88 Cambridge Street, East Cambridge, Mass., are placing upon the market a steam and water packing which is claimed to be the "original ring packing," it having been patented in 1880, and become the most popular form ever since. It is a self-lubricating packing, both steam and water tight, possessing, it is stated, a minimum of friction, and if directions are followed, no liability of becoming hard in use. For



piston rods, valve stems of steam engines and steam and ammonia pumps, electric light plants, water works, breweries and refrigerating machines it seems to be especially adapted, as it does not corrode the metal surfaces with which it comes in contact. It is sold by the manufacturers both at wholesale and retail, and is sold by the inch in length of stuffing box; waste can thus be avoided by ordering according to depth of box an exact quantity. It takes from two to five rings to make one inch of packing according to thickness of stock.

The Way It Acted.

A Hardware dealer named Sam Smith, from a country place, visited a large wholesale warehouse in Chicago and ordered a quantity of goods. He was politely received, and one of the principals showed him over the establishment. On reaching the fourth floor the customer saw a speaking tube on the wall, the first he had ever seen.

"What is that?" he asked.

"Oh, that is a speaking tube. It is a great convenience. We can talk with it to the clerks on the packing floor without taking the trouble of going down stairs."

"Can they hear anything that you say through it?"

"Yes, and they can reply."

"You don't say so. May I talk through it?"

"Certainly."

The visitor put his mouth to the tube and asked:

"Are Sam Smith's goods packed yet?"

The people in the office supposed it was the salesman who had asked the question, and in a moment the distinct reply came back:

"No. We are waiting for a telegram from his town. He looks like a slippery customer."—*Exchange.*

In the absence of the regular golf editor the following question from a beginner was referred to the turf editor for an answer: "In a game of golf is it right to fuzzle your put, or is it better to fetter on the tee?" The turf editor set his teeth firmly, stared hard at the wall in front of him a few moments and wrote the following reply: "In case a player snaggles his iron it is permissible for him to fuzzle his put, but a better plan would be for him to drop his guppy into the pringle and snoodle it out with a niblick."—*Chicago Tribune.*

The Scranton & Co., New Haven, Conn., manufacturers of the Scranton Nail Pullers, have recently appointed as their selling agents, J. C. McCarty & Co., No. 97 Chambers Street, New York, to whom all enquiries in regard to prices and terms should be forwarded.

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RECENT TRADE PUBLICATIONS

The W. Bingham Co , Nos 97 and 99 Superior Street, and Nos. 142 to 150 Water Street, Cleveland, Ohio, have recently published and are distributing to their customers and the trade generally, a volume of over 120 pages devoted to the interests of their business. This pamphlet in its contents is divided for convenience of reference into four sections called Sections A, B, C and D. Section A, Covering Machinists' Tools; Section B, Carpenters' Tools; Section C, Blacksmiths' Tools, and Section D, Manufacturers' Supplies. The purpose of the company in publishing this convenient book of reference—so different from anything in the nature of a catalogue with prices and discounts—is clearly stated in the following "Introductory" which forms it first printed page: "The following pages contain in a condensed form, mention of our Fine Tools and Manufacturers' Supplies only. To catalogue our full line requires a book of 1476 pages. We print no prices. List prices would be misleading, and we prefer to quote only to those who intend purchasing. Come in, and we will show you the goods and name you prices, which you will find right. We want your trade. We have been selling this class of goods to Cleveland people for fifty-six years, and the fact that the brands we carry (many of them exclusively) have the preference among those who use good goods shows our success in pleasing our customers." The contents of the pamphlets are placed in a style that is pleasantly discursive and sufficiently descriptive to encourage further perusal, giving the points of excellence and nature of any difference between the articles composing the specified lists of items. The manner of doing this can be best exemplified by making a small extract from one of the pages in Section B, which accompanied by a small illustration reads as follows: "Levels, Spirit. Davis—Iron, adjustable, double plumb and level. Stanley Rule & Level Co.'s—with stationary and adjustable glasses, arched top plate, brass lipped sides. Fine mahogany and rosewood, brass bound, with two side views and ground glass. Duplex, two side views and top plate, mahogany. Handy, with hand groove on side, easily held. Pocket, iron and brass, seven styles. Bit-and-square, for attaching to brace bit, or carpenters' square, for perpendicular, horizontal or forty-five-degree work. Wood's—With extension sights." Altogether it will be found very useful to the buying member of the firms, who are patrons of the W. Bingham Co., for in this convenient book he can check the styles of goods he considers it necessary to carry in his local stock, without impairing the appearance of his larger catalogue.

Erie Specialty Co., Erie, Pa., have issued their latest catalogue for the season of 1897 and embracing in its fifty pages as salable a line of Hardware specialties as the trade have had sent to them this season. It is very handsomely printed in two attractive colors, and presents an extremely creditable display, commemorating the first year of their location in their new plant. Notwithstanding the apathy shown in many manufacturing centres during the last six months, this enterprising company have doubled their former capacity by enlarging their factory and adding a number of new tools especially designed for the class of work they are producing and which they found necessary in order to meet the increasing demand for their product. They now occupy a floor space of 20,000 square feet, each one of their various departments being under the control of men who have grown up in the business, with the special training needed for the department under their charge, thus insuring a perfect output. Their line covers a large assortment of cork-pulling specialties, from the "Quick and Easy," with and without bottle clasp attachment; the "Walker Automatic," with which the cork is drawn by one movement of the lever; the "Samson," which is the pioneer quick-puller on the market for years; to the "Walker's Improved," which is a good puller for families and counter use. The catalogue also embraces an assortment of the regular styles of corkscrews, from the plainest to those having improved features increasing their utility. The company manufacture a line of lemon squeezers as remarkable for original methods of extracting the juice as their corkscrews are in their especial field. Other appliances required by the trade are noted as follows: Milk shakes, ice grips, ice shaves, in great variety; cigar cutters, a large variety for advertising and counter purposes; cigar box openers, tobacco cutters, cigar lighters, with and without the cutter combined. This little catalogue is well worth sending for on the part of the Hardware dealer who desires to be up-to-date on the improved goods constantly manufactured by American industry and invention, some of which will come in the nature of a surprise at their great variety.

We have before referred in complimentary terms to the pleasing little booklets which are issued every season for local advertising by the John E. Bassett & Co., New Haven, Conn. In a more original vein than usual, is the one just received from them entitled, "Spring Word Pictures," one of which we transplant as a novelty in its especial line:

THE DRINK-MIXER.

The heat was drying up the man's throat,
It seemed a desert where no water is;
The wheels in his head had been scorching,
And his throat felt like a cinder path;
He longed for drink—cool, wet drink.

* * * * * * *

His neighbor calls to him
And finds a seat for him in the shade;
He takes a small, cold bottle and draws the cork,
He takes an ice pick and cracks some ice,
He takes a lemon-squeezer and extracts some juice,
He takes a shaker and mixes them together,
He fills two glasses and says:
"Come, let us drown this thirst!"
The man drinks;
He drains his glass, and remarks:
"In the manufacture of summer throat washes
You're a peach!"

* * * * * * *

Corkscrews and drink tools for summer wear
Are always good if they were bought at Bassett's,

The Campbell Cutlery Co., No. 426 South Clinton Street, Syracuse, N. Y., are distributing to the trade their 1897 catalogue of the show cases and store fixtures made by them under their various patents. This includes the Campbell Practical Sliding Display Trays, as well as the usual and regular show cases—with and without metal corners—with square fronts, oval fronts and mansard fronts, and with either slide backs or lifting top (for cigars.) Their sliding display trays have proved the most popular fixture ever applied to a show case, more than quadrupling their usual convenience and utility. They are made to fit

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any show case, permitting the dealer to economize on his case room, and while keeping his stock in excellent position, is enabled to make the most brilliant display of his assorted stock.

C. Hanika & Sons Agricultural Iron Works, Muncie, Ind., have just published their catalogue No. 17, covering their line of perfection wire lawn and farm fence, also a full line of gates, posts and fence supplies. The many styles illustrated are certainly new, novel and up-to-date; some of which can be utilized in the adornment of banks and offices as well as others suitable for cemetery guards and area railing. They are large manufacturers of stair, jail, station house and column work, crestings, finials, etc., of which separate catalogues are furnished the trade upon application.

Edward Smith & Co., No. 45 Broadway, New York, in the interest of the several preservative coatings for iron work of which they are the exclusive manufacturers, have published a handsomely illustrated pamphlet of eighty pages, entitled "Application of Paints, Varnishes and Enamels for the Protection of Iron and Steel Structures and Hydraulic Work." It is copiously illustrated with half-tones, showing different classes of work in connection with the text and body of the book.

American Wire Goods Co., Lowell, Mass., pamphlet containing price list of bright iron wire goods for cotton and woolen mills and loom harness makers.

Meyers' Putz Cream.

The Meyers Putz Pomade Co., No. 285 Devonshire Street, Boston, Mass., are the manufacturers of the "Meyers' Putz Cream," a liquid metal polish for polishing brass, copper, tin, nickel, zinc, German silver, etc., which they are introducing to the Hardware trade with considerable success. It is stated to be entirely free from acid, poison or grit of any kind, and capable of producing a brilliant and lasting polish without scratching. Can be used for removing rust from polished iron or steel, and is put up for sale in convenient packages from one-quarter pint up to one gallon in size. Circulars conveying full information in regard to its usefulness will be mailed upon request.

Opened With Prayer.

At the dinner recently given by The Authors' Club to the poet, Richard Henry Stoddard, ex-Judge Henry E. Howland, president of the Century Club, who spoke for that club, set the diners howling by telling this story at Mr. Stoddard's expense:

"Stoddard," said Judge Howland, "was opening a can of tomatoes one night. Sounds that came from the kitchen convinced Mrs. Stoddard that her husband was not accomplishing his task without a struggle. Finally she called to him:

"'What are you doing, dear?'

"'Opening this can of tomatoes,' came the rather gruff answer.

"'What are you opening it with?'

"'With a knife. Did you think I was using my teeth?'

"'Not at all, dear,' came the answer. 'I thought from your language you were opening it with prayer.'"

The Worcester & Marlboro Street Railroad Co., of Worcester, Mass., are erecting at Northboro, Mass., a new power station. The engine room is 55 feet wide and 63 feet long and the boiler room is 45 feet wide and 40 feet long. The roof which is to be gravel on plank is supported by steel trusses. Cutting & Bardwell, of Worcester, Mass., are the general contractors for the work, and the steel work will be erected by the Berlin Iron Bridge Co., East Berlin, Conn.

Every Trade Has Its Disease.

It is well known that there are a number of dangerous trades which give rise to serious diseases; but as a matter of fact, almost every occupation has some ailment peculiar to itself. A doctor can always tell if his patient is a baker, for instance, by the state of his teeth. The flour dust collects on his teeth, becomes acid, and gives rise to a special kind of decay. Bakers, owing to their irregular life, sleeping in the day and working at night, and because of the hot air and dust, are great victims to consumption. Blacksmiths, strong as they are, very often suffer from paralysis of the whole right side from the continuous shock of hammering, and their eyes become weak from the glare of the fire. Athletes do not, as a rule, enjoy long life. Professional boxers, wrestlers, gymnasts, cyclists, suffer from enlargement of the heart and diseases of the lungs. Boilermakers get deaf from the continual loud noise. Brewers and brewers' drivers drink beer in such large quantities that they ruin their livers and generally die young. Carpenters and cabinet makers are afflicted with varicose veins in the legs, and the action of the shoulder in sawing and planing produces a diseased condition of the large artery that runs from the heart to the arm, so that there is not a carpenter living, a doctor says, in whom a curious noise may not be heard by applying the ear to that blood vessel. Clergyman's sore throat is well known.

Miners, from working in the dark, become very irritable; their eyes get weak, and their lungs become quite black—miners' lung. Cooks, particularly male cooks, working in hotels, clubs and restaurants, get gout from continually tasting rich food; and both male and female cooks get varicose veins and flat foot from long standing, as well as the well known ache of the face, from the heat and dirt. Coopers have a lump on the knee, which is really a little bag of fluid put there by nature to protect the knee from the injurious effects of pressing it against the barrel. Divers' hearts become distended from holding their breath.

Domestic servants are remarkable for suffering from typhoid fever, housemaids are frequently affiicted with poverty of blood from drinking tea and running upstairs. Dressmakers' long hours and confinement result in consumption very often, but more often in indigestion, poverty of blood, and impaired eyesight. The fumes of nitric acid make goldsmiths' eyes sore, and they get cramps in their fingers from catching small screws. Nearly all the human beings who suffer from that awful disease, glanders, are grooms.

India-rubber workers have very bad headaches and great mental depression. Painters are poisoned by the lead they use so much, and all their muscles, but especially their wrist muscles, become very weak. Photographers get poisoned by cyanide of potassium. The dust that enters the lungs of potters when they are sifting clay interferes so much with their breathing that "potters' asthma" is a well known disease. Compositors get cracks and fissures in their lips and small tumors in their mouths from the habit of putting type in their mouth, and consumption attacks them frequently because of the stooping posture and the confined and sedentary life. Sailors suffer greatly from consumption, owing to the cold and damp and the bad air of the forecastle. Salesmen and saleswomen in shops have a lot of standing, which gives them varicose veins and pains in the feet; cloth scourers, who inhale benzine and turpentine, suffer much from headache, lassitude and nervousness. Shoemakers get their chest pressed in by the last, lose their appetite and strength, and have headaches. Stonecutters' eyes are often injured by the flying stone.

The sedentary life of lawyers, artists, students and literary men gives rise to gout which is said to kill more wise men than fools.—*Pall Mall Gazette.*

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Hard Times.

"Hard times come again no more!" Pshaw! we all sing it, but do we know what hard times are? We sing it while we eat beefsteak, oysters and three kinds of bread at the same meal; we shout it while we smoke cigars; we think of it while we comfortably stretch our legs on Brussels carpets before a blazing grate, with well dressed sons and expensively clad daughters around us. We groan it while we read our morning and evening papers; we dream it in our soft, springy beds; we shout it through our telephones, and ring the changes on it as we take our summer outing or run "centuries" on $100 bicycles.

Hard times! bewails the finely clad wife as she elbows her way along the bargain counter.

Hard times! moans the clean-shaven husband as a press of the button sheds the electric light over his at home friends—and yet in these days we don't know what hard times are.

We think we do —but we don't. The writer is reminded of papa's remembrances, where, in one of the richest parts of this great country of ours, that a whole town of some 2000 inhabitants possessed less than $500 in money.

All exchange was by barter. Among the best and richest families beefsteak was a once-a-week visitor, round beef a luxury, oysters an unheard-of dainty; corn bread was the usual; the cheap pipe tobacco was a dissipation; cold bedrooms, scant wood fires, calico then what silks are to-day; 6x8 window panes were helped out by hats, rags and old papers; a weekly paper was an extravagance and served two families; ingrain carpets scarce and Brussels not heard of.

Beds were slatted or corded, and the sole vacation was a ride (not over brick pavements) to the annual picnic in the one horse shay.

The men worked from sun-up to sunset—the women worked all the time. Do any of our readers recall those days? Yet it is doubtful if there was in those days such a universal spirit of unrest and discontent, such a concert of growling—as to day. Is it fair? Are we grateful? Can we afford to waste time in bewailing the slowness of prosperity when fate is so easy with us?

Let us put aside these ugly tempers of ours—smile at the shadows—all sunshine makes the desert. Look toward the sun; drink in its beauties, and talk and think business confidence. Let us shut our eyes to trouble, and if all would do so times would be good.—*State Register.*

How Seamless Tubes are Drawn.

Solid drawn steel tubes have been made for years for boilers and general use, but the great demand arose when the safety type of bicycle came into vogue, the diamond frame requiring the use of a greater length of tubing and necessitating that this should be as light as possible. There are variations in the methods for producing a cold-drawn steel tube, but the principle of all is practically the same. Only a very high class of steel is suitable for the purpose, and that hitherto employed has been chiefly Swedish charcoal steel, containing a certain proportion of carbon. The steel is taken in the form of a billet two feet long and about six inches in diameter. A hole is bored through the centre and it is heated, annealed and rolled into the form of a tube about 1¼ inches in diameter, with wall of about 10 gauge. This is then drawn through a die and over a mandrel by means of a draw-bench, until about 800 feet long, beautifully smooth and bright both within and without. This is not drawn at once, but in a number of operations, and between each of them the metal has to be repickled and reannealed to prevent the crystallization to which the drawing process tends to give rise. The first drawings of the tube leave it about three-eighths of an inch thick, but this gradually decreases until a tube is produced which is of the thickness of stout writing paper. This is the class of tube employed in bicycles and that imparts a strength and rigidity out of all proportion to its lightness.—*Boston Journal of Commerce.*

He Played the Drum.

"Your talk about determining people's occupations by their faces sounds to me a good deal like tommyrot," said the man in golf stockings to the smart physiognomist, who had been trying to impress a street-car audience with the extent and accuracy of his attainments; "there is a good deal more to be learned from their general physique, the set of the shoulders, condition of their various muscles, etc."

"I'll bet you five," replied the physiognomist, "that you can't come within forty rods of judging the occupation of the man sitting next to you."

"I'll take that bet! Getting money as easily as that beats working for it all hollow this weather."

The man in the golf stockings studied his subject carefully from all points of view. Then, having obtained permission, he felt of his arm. It was as hard as iron.

As he did this, a smile of triumph spread over the features of the man in the golf stockings.

"You are a Hardware dealer!" he exclaimed, triumphantly to the subject; "is that not so?"

"Nein," the man replied; "I blay der bass drum in der Wagner orchestra."—*Buffalo Express.*

Old Glass.

"The glazier of fifty years ago," said a Maine man of experience in the business, "worked differently from what we do to-day. Glass was very costly then, compared with the present prices, and much of it was so warped and crooked, it would be a curiosity in these times. Owing to the cost we had to be very careful in setting it, and the glazier of that day had to be a wood carver, as well as a man of putty. The warped panels had to be laid into their sash and their shape 'scribed on the wood underneath. This was then cut away so as to make the glass fit into place. Nowadays the glass is tolerably true, and besides it is so cheap that we never stand for a fit. It is sprung into place, and if it breaks it is thrown aside. The old crooked glass was, some of it, of superior quality. This was known as Boston crown glass or Berkshire crystal. It was clearer and more brilliant than most modern glass. Only the better quality of houses had this kind, but there are still many old residences throughout Maine in which it may be found."—*Lewiston Journal.*

Cost of Telegraphing Abroad.

Cable messages from a central point in the United States to England and France cost 31 cents per word; to Belgium, 36 cents; to Holland and Italy, 38 cents; to Austria, 40 cents; to Greece, 44 cents; to Egypt, 62 cents; to Russia, 49 cents. The Cuban war has multiplied many times the volume of telegraphic business in the West Indies. The lowest rate is 40 cents a word for messages to Havana. No town in the West Indies outside of Cuba can be reached for less than $1.05 per word. To cable to Porto Rico costs $1.85 per word. Messages to Brazil cost from $1.35 to $1.87 per word; to British Guiana, $2.17; to China, $2.02; to Japan, $2.27; to India, $1.29; to the Philippine Islands, $2.51; to Siam, $1.41. It costs $2.62 a word to cable to Queensland, and, highest figures of all, $3.02 to cable a word to Mossamedes in Africa.—*American Exporter.*

"That new reporter of ours is a lucky find."

"What has he done?"

"Why, instead of saying that the crowd at the big meeting last night were packed closer than sardines, he said they crowded each other like fraudulent votes in a stuffed ballot box."

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Review of the Markets.

Hardware: A continuance of encouraging conditions is noticeable; roads in the interior are improving in character, old accounts are being squared up or reduced in volume, the retailer sending an order with his, possibly delayed, remittance, the jobber finds his conservative deliveries of stock hardly large enough for the growing demand, and supplements his previous limited requisitions by an additional order. The feeling is abroad that we are gradually but surely "getting thar;" there will be no especial necessity for "coming early to avoid the rush," but continued improvement will be the feature from now on.

Wire Nails: Are still in excellent demand, on a market that maintains the steadiness so apparent for a number of weeks past. While the mills are in some cases easing up on the orders booked sixty days ago, still the demand for the future, under what are considered as favorable conditions, still continues. The jobbers report a steady reduction in their stocks at a date earlier than they anticipated, creating fresh demands on their part. Under these circumstances it is no wonder that prices continue firm, and the quotation of $1.40@$1.45, f. o. b. at mill, for car load lots, does not imply immediate delivery, except under more favorable conditions as to supply, than exist at present. For prompt deliveries, an advance of 5 cents a keg is still a feature. Less than car load lots increase the quotations 5 to 10 cents a keg. New York prices are: Car load lots on dock, $1.55 @$1.60. Smaller lots from store, $1.65@$1.70.

Cut Nails: Continue in fair demand, and the present arrangement of quoting prices delivered at the various shipping points or trade centers seems to be working admirably and meeting the approval of the trade. The prices continue as previously noted. Car load lots delivered, New York, $1.40; Philadelphia, $1.38; Boston, $1.42; Smaller lots from store being held at 10 cents a keg advance.

Pocket Cutlery: The movement in the line of pocket cutlery of the qualities affected by the schedules of the proposed tariff, have been quite extensive for some weeks past, and many well-known styles are quite difficult to obtain. The demand for cheaper grades of leading American makes is becoming more noticeable, and the manufacturers are rejoicing over the prospect of an improved output later.

Linseed Oil: The Dean Linseed Oil Co., quote as follows: In lots of less than 5 barrels, 33 cents per gallon; in lots of 5 barrels or more, 32 cents per gallon; Boiled Linseed Oil, 2 cents per gallon higher; Calcutta Oil, 50 cents per gallon.

THE BUFFALO TRADE.

Since our last letter to you, we are pleased to say there has been some improvement in trade, and at this writing the horizon looks even brighter, if any change can be reported. Seasonable goods are moving in fair quantities; some of the merchants are beginning to anticipate their wants and collections are better. A few bright days to dry up the country roads, we feel would also add much to other favorable conditions, and then we could say with emphasis, that "that business is good."

We should like a little firmer foundation in the iron market, for this product has a great influence in other lines. We frequently feel that much could be accomplished in the way of stimulating or building up confidence, if merchants would carefully consider whether or not their business was equally as good, if not better, than for the corresponding time last year, and instead of complaining, speak a word of encouragement.

Here we are reminded of a certain traveling salesman who has called upon the jobbing trade for years, and who has never yet been known to utter a complaint regarding business, but on the other hand always has "good trade," feels "happy," and does much to create the feeling that we really have little cause for complaint. With this spirit pervading the minds of the trade in general, we should all see the bright instead of gloomy side of affairs. Viewing the situation from this standpoint, and having entered the heart of spring trade, would it not be well for each of us to do our part to aid in restoring confidence? We believe this to be far the best policy to pursue.

Weed & Co.

THE PITTSBURG TRADE.

Rain for two weeks past has had a somewhat dampening effect on business, yet there has been a pretty fair amount doing. The coal mining districts are in the worst condition, as wages are cut down to the lowest notch, and work is scarce even at the low price. On the other hand, times are good in the coke districts, as they are well employed, and the mills and shops are having better pay-rolls recently than for a long time previous. There will be considerable work done in and around our city this summer. A new reservoir for our water supply was let a few days ago, at about $450,000. Some new traction lines are about ready to begin work. The Carnegie ore-carrying road is being pushed rapidly to completion; the cars for the same are building by a local concern; capacity, fifty tons each. The evolution in railroad matters is keeping pace with the production of steel mills.

Logan-Gregg Hardware Co.

THE PHILADELPHIA TRADE.

The bright weather of the past week is having its effect on trade, in imparting a more lively tone, although the low temperature has not caused a very heavy demand for spring goods which will probably come later.

An increase is noticeable in the number of orders received from salesmen, while mail orders are more generous in tone, showing that there is a demand for goods and that stocks are low. Certainly with prices as they are today, very little risk is run in buying for regular wants, as further declines seem scarcely possible, and in fact any demand should tend towards a stiffening in prices.

The bicycle trade is now getting under way, orders have been later this season than heretofore, and for this the backward weather is perhaps partly responsible.

Bicycle sundries are largely called for and it is difficult in many cases to get them sufficiently fast to fill orders. Probably every purchaser of a bicycle is surprised to find the number of accessories which seem to be needed before he is properly fitted out, and the sundry trade is one which is likely to last for some time, hence the unusual demand.

Collections may be reported as better, a marked improvement being noticeable in the last thirty days. It is hoped this comes from the increase of employment given to many workmen, and if so this improvement should be steady and gradually increasing in volume. After all, as is often said, wages are the basis of trade, and only in times of good wages can we expect good trade; good trade and good wages go together, and it may be added, that high prices and good times are always seen in company, while low prices and hard times are inseparable companions.

Biddle Hardware Co.

THE BALTIMORE TRADE.

Yes, we are quite busy. No rush, it is true, but just comfortably active. As yet we have had no occasion to work "double turn," nor do we claim, like the wire nail mills, that we are thirty days behind in filling orders; but each day brings us sufficient business to keep us going for that day, and still leave something for the next morning.

Throughout the month of April there has been a gradual expansion of trade, differing entirely from the spasmodic features which characterized business during the first quarter of the year. Much of the buying now being done, under normal conditions, should have increased the sales during February and March. Uncertainty and doubt,

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NEW YORK WIRE CLOTH CO.,

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DOUBLE SELVAGE, STANDARD QUALITY.

Owners of the following brands of Wire Cloth: **YORK WIRE CLOTH CO.**, York, Pa; **THE WIRE FABRIC CO.**, Homer, N. Y.; **J. H. DE WITT'S SONS**, Brooklyn, N. Y.; **HAMILTON WIRE CLOTH CO.**, Hamilton, N. Y., and the **DIAMOND** Brand.

the timidity of conservatism, is slowly melting away, and this delayed business is forced upon the market by the pressure of actual needs. Acting as a reviviscent it is welcome.

And yet, amid all this glad sunshine of spring weather and improved trade conditions, the voice of the "calamity howler" is heard. You cannot expect the song of a lark from the throat of a frog. He can croak—only croak—and to himself he finds melody in the croaking.

The *Resurgam* of the Easter anthem may have a trade significance, that after a long period of general depression, our season of sackcloth and ashes is ended—a resurrection into a newer and better order of things is at hand.

TABB & JENKINS HARDWARE CO.

THE COLUMBUS TRADE.

The writer was busy last week moving. Someone was mean enough to intimate that I moved because it was cheaper than to pay rent. I won't do it again, because I find moving expensive. Trade has been full of vim with us for the past three weeks, and we think it will be good through May and June. Then comes a resting spell, and we go fishing; that is, one member of the firm goes fishing, the other member don't like fish. We have had a great many complaints from our customers on account of slowness of shipping iron and nails, and especially iron. We find we are not the only ones who have not been prompt, as we have been tendered orders that were placed with other jobbers who could not fill. One Pittsburg manufacturer has been so slow that farmers who set posts will have to reset them, as they have rotted off, and still the wire has not been shipped. Farmers find it much cheaper and less work to buy up dry oil wells and cut them up into post holes instead of digging them. Prices on most goods remain about as they have been for some time. Wire is weaker, and about 10 cents per 100 pounds off in price. Nails are scarce, and manufacturers have no trouble in selling at the price ruling for some time for prompt delivery. We don't think many nails are being sold for future delivery. The weather has been wet and cold, and the grass and wheat have suffered. We think a few warm days will bring it out all right.

SMITH BROS. HARDWARE CO.

THE DAVENPORT TRADE.

The sun shines again! The sound of the shovel (trust shovel) clearing the brick paved streets is heard, showing that spring has surely arrived. The commercial tourist is touring again throughout the land, and the sound of his voice is heard in every town and hamlet thereof. May success attend him, for he deserves more than he receives, and without him we would have to withdraw from the jobbing trade and start a department store. The department storekeepers are the only people who ignore the traveling salesmen and who attempt to place their wares upon the market without employing these gentlemen who have done so much for the world's commercial interests. If these stores are successful, then the positions now occupied by traveling salesmen will soon be filled by boys and girls who should be in school, for they can be employed at $2.50 to $3 per week. Will the great army of commercial travelers quietly submit to this innovation and give up their positions gracefully?

The Mississippi climbed over the danger line this morning, and the Iowa legislature has passed the manufacturers' bill, so we are in no immediate danger of drouth or thirst.

The roads are improving; seeding is fairly under way; money more plenty; trade better and collections—well, we make a collection now and then.

SICKELS, PRESTON & NUTTING CO.

THE OMAHA TRADE.

Extremely backward weather prevailing during the early part of this month, has to some extent detracted from the anticipated movement of goods. A backward spring, such as we have with us at this time, always has its effect on trade; nevertheless it may be considered as fully up to the average, with collections a little in advance of that. Prices are holding steady, though the extreme anxiety on the part of many dealers to secure a larger share of the trade than conditions would warrant, makes it necessary to sell a great many goods on a closer margin than is comfortable or pleasant.

Farm produce sells extremely low, with the exception of hogs and cattle, which are paying large dividends to their fortunate possessors, which does much to encourage a more hopeful feeling for the future.

RECTOR & WILHELMY CO.

THE BIRMINGHAM TRADE.

The letting of the contracts to build the line of railroad from Columbus, Miss., to Montgomery, Ala., brought together quite a large number of contractors who were in search of work. This is said to have been one of the most largely attended lettings that has occurred for some time. We feel encouraged to see railroad work being given out, as the building of railroads means the development of the country, and will result in growth of population which is the basis of increase of permanent trade. This, also, will be the means of circulating considerable money in this section of country, giving employment to labor and creating demand for supplies of all kinds, and is therefore an encouraging sign. The farmers seem to be making great preparations for large crops this year, and the sale of agricultural implements has been large.

The heavy rains and floods have interfered to a considerable extent in some sections of the country, but the waters are now receding and the weather is beautiful, when all can go to work with renewed and increased vigor. There is considerable work in the erection of residences and other buildings, in and near our city, with an increased demand and better market for real estate, and giving additional trade in the line of builders' material. The bicycle trade seems to be growing rather than falling off, and the prices are getting down to the point where most anyone can ride a wheel who is inclined to do so. It appears that this will be permanent trade, and that the wheel has come to stay.

At first the street car man and the livery stable man

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Seymour Cutlery Co., ESTABLISHED 1839.

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Seymour Shears ARE THE STANDARD.



Every pair is fully warranted and if found imperfect from any cause will be replaced with perfect shears.
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looked upon the wheel with disfavor, lest it should curtail their patronage, but after a little while all of these things will adjust themselves, and the public will be benefited rather than otherwise.

The Hardware trade is discussing the tariff bill to some extent, especially in regard to cutlery, as that seems to be the item which will affect them mostly in this section of the country for the present, and are glad to know that the Dingley bill will have considerable difficulty in getting through the Senate. Most of us would be glad if it failed altogether, so as to give the Wilson tariff a better opportunity to demonstrate its superiority over the McKinley tariff. It has resulted in increased exports of manufactures, with a lessening of the imports, and is accomplishing just what the advocates of the Dingley bill claim they will accomplish, viz., in the lessening of imports and increasing of exports. As long as we can keep the balance of trade in our favor, thus keeping the gold balance in better condition, we will have made a strong argument in favor of settling our finances on a just and sound basis, and make it more difficult by the time 1900 shall arrive, for the advocates of the 16 to 1 policy to succeed. There is no good reason why, with proper management, that the United States should not become the financial center of the world instead of London, as we have a larger population and much larger resources. It is true it will take some time to accomplish this, but when the world once understands that it has become a fixed policy of our country to always return to the depositor as good money as he leaves, then people will more readily deposit their money in the financial center of our country.

MOORE & HANDLEY HARDWARE CO.

THE MINNEAPOLIS TRADE.

Trade has been very dull here since last September. The presidential election was too late in the season to benefit us, as far as fall trade was concerned. Then came the most severe winter and the largest quantity of snow that this country has seen since 1882, and perhaps even worse than then. Railroads blockaded and country roads impassable; with the snow going off came freshets that have done immense damage, retarded usual farm work, plowing and seeding, and many acres that are generally devoted to wheat are now first-class duck ponds. All this has been sufficient reason for dull business for the past seven months. We are now having bright weather and good drying winds. The farmers are busy at work putting in their crops, and we hope before long business will be in normal condition again.

Our lumbermen have suffered severely through floods carrying away booms, and many millions of logs went over the Falls of St. Anthony and are distributed along the Mississippi. This will retard the beginning of the sawing season, as nothing can be done until new booms and piers are constructed, all of which is very unfortunate for the laboring men, as but few of them were employed in the woods during the past winter, and were depending upon work in the mills and yards here to support thieir families.

The price of nails in this market is very low; as near as we can learn, lower in proportion than at any other point, with good prospect of even lower prices prevailing in the future. On other lines they remain about the same. We are affected, of course, by prevailing low prices on screws, carriage and machine bolts, etc.

There will be but little building here this spring; more repairing work than usual. It will take at least another good crop and fair prices to improve business to any considerable extent. We believe there will be an increase in volume of business in the Hardware line from now until the end of the year, which will show up better than the corresponding time for the past two or three years.

W. K. MORISON & CO.

THE DENVER TRADE.

Trade is still improving and as the season opens, prospects are encouraging. Late and heavy snows have caused a tie-up in some of the mountain towns and bad roads in lower altitudes are something of a drawback. Another month will open business to all sections and by that time we hope to report a very satisfactory condition. Season goods are being placed early and the prospect of advanced tariff is stimulating business in the lines which it is expected to affect. GEORGE TRITCH HARDWARE CO.

THE ST. PAUL TRADE.

In our last communication, we reported an improved condition of business over what we had previously been experiencing. We did not say that there was no room for further improvement, and while we can now say that there has continued to be a very marked increase in sales during the past two weeks, we do not want to be understood as being, even now, fully satisfied with the present condition, but we expect, in fact, we firmly believe, that as spring advances, business will continue to revive, and that on the 1st of July we shall look back with complacent satisfaction on the results of the first half of the year.

Farmers are now seeding, and reports come to us that the ground is in excellent condition at the present time to produce a crop. The recent advance in the price of wheat is an encouraging feature, although but a small part of last year's crop is now in first hands. The hope that the coming crop will be sold at this advanced price, or a larger, gives courage to the farmer, and will induce him to make more liberal purchases than he otherwise would. What we want to make business good is, first confidence, and later more confidence. C. W. HACKETT HDWE CO.

THE TOLEDO TRADE.

The spring time has at last entered this part of the country, to-day being the first pleasant and warm day we have had this season.

Trade in general is backward. In comparing our business with the same time for 1896, we really have no cause to complain, when we hear from other sources that it is not up to anything near what it was in former years. While the volume of our business at the present time for the year 1897 does not amount to as much in dollars and cents as for the same time in 1896, still, owing to the low

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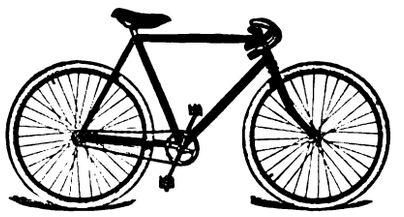
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THE KEEN BUYER

Always compares the price of an article with its honest value as he understands it; but it is not always easy to determine the value of a **Bicycle**, as beneath the gaudily finished exterior of a cheap machine there lurks defective material and inferior workmanship.

Our '97 catalogue tells how to invest $100 or $75 in a bicycle and get the **value of your money** Write for it; a postal will do!

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CLEVELAND, OHIO.

Send 4 cents postage for our booklet, "Shakespeare and the Bicycle." 12 special designs in colors by F. Opper, of "Puck." Mention this paper. . . .

prices that goods are being sold at, at the present time, we think the volume in tonnage is more.

We find that dealers throughout this territory are buying in more liberal quantities; in fact, we think that if any brisk demand for goods would arise the small dealers would have to purchase quite heavily in order to supply such demand, as we find stocks throughout are light. Prices in general are fairly well maintained, although they are very low, in fact, prices from the manufacturers and jobbers at present time are lower than they were last January. There seems to be a general tendency towards a lower valuation on almost everything, nor do we believe that the time of much higher prices will ever come again, unless through some unforseen event, or might be advanced through speculation.

These lower prices are being brought about by improved methods of manufacturing and improved machinery.

Goods that are in demand at the present time are mostly farm goods, such as rakes, hoes and forks. Poultry netting is in quite a strong demand. Other goods that are selling freely are screen doors, screen windows and paints, and there is also quite an increased demand for shelf Hardware.

We look forward to the future with hopes of better trade.

Probably we will not see much increase for the spring months, but we do believe that we will have considerable better trade next fall over the previous year.

Labor, in Toledo, is fairly well employed, although we find some idle men, but we think Toledo is in better shape today than almost any other city of its size that we know of. This, no doubt, is being brought about owing to the large oil industries that are adjacent to Toledo, at least travelers inform us that Toledo is one of the liveliest cities for business that they come to.

Let us all take confidence in the future, and have faith in this Grand Old Republic of ours, and we will again see better times. "Selah." STOLLBERG & CLAPP CO.

Yale & Towne Election.

At the annual meeting of the Yale & Towne Mfg. Co., held at Stamford, Conn., on Thursday, April 22d, the folboard of directors was elected; Directors: Henry R. Towne, Schuyler Merritt, George E. White, Stamford; Thos. F. Keating, New York; Walton Ferguson, Charles A. Hawley, Albert J. Hatch, Stamford.

At a meeting of the board held immediately thereafter, the following officers were elected for the ensuing year:

President, Henry R. Towne.
Secretary, Schuyler Merritt.
Treasurer, George E. White.
Assistant Treasurer, Thomas F. Keating.

It is our duty to hustle at all times, but the time when hustling counts most is when business is dull.

Iron Bar 2000 Years Old.

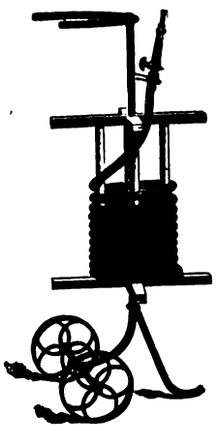
S. T. Wellman, the metallurgist, of Cleveland, Ohio, has a portion of a round bar of iron—and a few like pieces are held in the United States—that antedates the Christian era by two or three centuries. The iron, which had been originally hammered into plates and was deeply rusted from age, was found a few years ago by Dr. Karl Humann in the ruins of the Temple of Artemis Leucophryne, at Magnesia, made from a portion of its memorial tablet. This was presented to Bismarck in April, 1894. It bore the inscription in German: "For you Prince Bismarck, the Iron Chancellor, Hermogenes forged this iron at Magnesia 200 years B. C. Humann found it in the Temple of Artemis after 2000 years, and sent it to Hallbauer, who gave it the form in which it shall bear witness that your deeds shall outlive millenia."

At the time of the presentation to Bismarck *Stahl und Eisen* gave a photographic reproduction of the plate and an account of the discovery of the iron. The Temple of Artemis, one of the most magnificent of ancient monuments, was rebuilt about 300 B. C., though by some the date is put at 200 B. C.

The metal is described as approximating steel in its composition, though closely akin to malleable iron. It was made at a low temperature and great care was necessary in the forging. It was found rather difficult to roll the pieces that were preserved as relics, these having a diameter of about one-half inch.—*Newark Sunday Call.*

The fame of the Krupp works at Essen, Westphalia, as the vastest industrial establishment in the world, appears to be still maintained. At present the establishment consists of two steel works with fifteen Bessemer converters, four steel works with Siemens-Martin open-hearth furnaces; iron, steel, and brass foundries; puddling, melting, reheating, and annealing furnaces; draw benches; a hardening and tempering department; file manufactory; rolling mills for plates, rails, and tires; railway spring and wheel manufactory; steam hammers, forges, axle-turning shop, boiler shop, engineering and repair shops. Besides the above and many other departments at Essen connected with the making of cannon, there are steel works at Annen, in Westphalia, three collieries in Westphalia, besides participation in several others; 547 iron mines in Germany, various iron mines in Bilbao, in Spain; four iron works, including one at Duisburg, one at Engers, one at Neuweid, and one at Sahn; various quarries of clay, sandstone, etc., four steamers, and artillery ground at Meppen, Hanover. The property owned extends over nearly 2500 acres, and the number of hands employed in the mines and steel works is about that figure. There are altogether 1500 furnaces of various kinds, twice as many engines and machine tools, 22 roll trains, 111 steam hammers, two hydraulic presses, 263 stationary boilers and 421 steam engines, representing together a force of 33,139 horse power.—*N. Y. Sun.*

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PATENTED.

The Great Destruction

that has been going on for many years can now be stopped by adopting the . . .

Hartzell Self-Draining Hose Reel.

It **Drains** and **Preserves** the **Hose**, so it will **last many years longer** than it formerly did. This is the **Cheapest Reel** your customer can buy, even though it sells for more money than some of the old styles that have been on the market from "Way Back." . . . . . .

No more Rotten or Bursted Hose

from water being retained in the hose, if wound on the **Hartzell Reel.** The **Spiral Channel** allows **all** water to **Drain Out.** This Reel has been under a practical test for years, and is a Pronounced Success. It has many friends who appreciate its . .

SUPERIORITY.

Goods Packed and Shipped in Dozens, Gross and Car Loads.

If you cannot buy them of your Jobber, the manufacturer will be pleased to fill your orders.

The Hartzell Novelty Works, (Sole Manufacturers) **ALLIANCE, OHIO.**



Our Fork Crown.
"Pat. applied for."

Agents are wise who get an Agency

. . . FOR THE . . .

KENSINGTON

Full of tried and up-to-date improvements.

SELLS AT SIGHT.

THREE MODELS:——

$100, $75, $60.

A Magnificent Line.

THE——

Martin & Gibson Mfg. Co.

BUFFALO, N. Y., U. S. A.



Our Name Plate.

Meyers' Putz Cream Liquid Metal Polish



Unsurpassed for imparting a brilliant polish to

Brass Signs, Railings, Show Cases, Nickel Plate, Bicycles, Tin, Copper Ware, and Household Articles.

TRY IT——

It is particularly valuable for

Harness and Door Trimmings

As it leaves no stains or discolorations. Samples, advertising matter and electrotypes gratis.

Prices and Sizes:

¼ pint cans	(2 doz. in case)	$1.80	per doz.
½ "	3 " "	3.00	"
1 "	2 " "	6.00	"
1 quart can	2 " "	10 80	"
½ gal.	"	18.00	"
1 "	"	36.00	"

Order as originally packed and get best discounts.

MEYERS' PUTZ POMADE CO., 285 Devonshire St., **BOSTON, MASS.**

Agency Wanted.

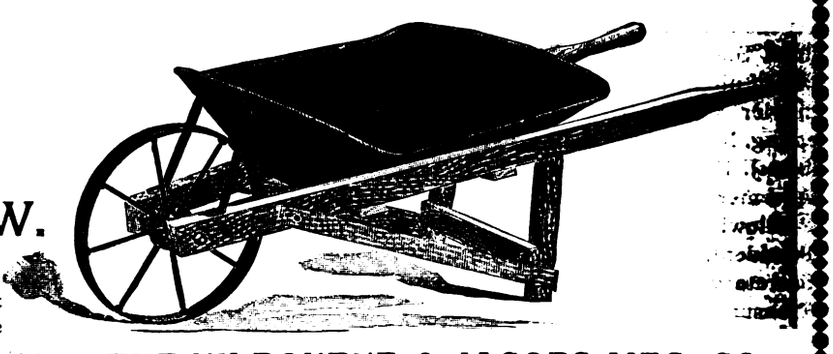
GENTLEMAN with over twenty years' experience in general Hardware, wishes to correspond with some manufacturers with a view of representing them in the South. Address J. W. JOHNSON, Drawer, Birmingham, Ala.

Evolution of the Whistle.

Here is the story of the evolution of the locomotive steam whistle: It was invented because of the destruction of a load of eggs. When the country roads were for the most part crossed at grade the engine driver had no way of giving warning of his approach except by blowing a tin horn. The horn was far from being a sufficient warning. One day in the year 1833 a farmer was crossing the railroad track on one of the country roads with a great load of eggs and butter. Just as he came out upon the track a train approached. The engineman blew his horn lustily, but the farmer did not hear it. Eighty dozen of eggs and fifty pounds of butter were smashed into an indistinguishable mass. The railway company had to pay the farmer the value of his butter, eggs, horse and wagon. A director of the company, Ashland Baxter, by name, went to Alton Grange, where George Stephenson lived, to see if he could not invent something that would give a warning more likely to be heard. Stephenson went to work, and the next day had a contrivance which, when attached to the engine boiler, and the steam turned on, gave out a shrill, discordant sound. The railroad directors, greatly delighted, ordered similar contrivances attached to all the locomotives. This has developed into the locomotive whistle as we know it.—*Industrial World.*

M. Berthelot has recently published in the *Comptes Rendus* analyses of weapons, tools, etc., from Tello, in Chaldea. Their date is put from 4000 to 3000 B.C. A large lance and a hatchet were found to be approximately pure copper, and another hatchet was of copper with traces of arsenic and phosphorus, by which it seems to have been hardened. No trace of tin was present in any case. Thus in Chaldea an "age of copper" seems to have preceded the "age of bronze." An egg-shaped object from the same locality, weighing 121 grains, was of iron; an ingot of white metal was 95 per cent. silver; a leaf of yellow gold was found to contain considerable quantities of silver.—*Scientific American.*

PAN-AMERICAN R. R. BARROW.



With Round Steel Spoke Wheel The most durable, lightest and best barrow made. Used all over the world. Barrows for all purposes.

Write **THE KILBOURNE & JACOBS MFG. CO.**

COLUMBUS, O., U. S. A.

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BIG PAY!

TAKE AN AGENCY FOR THE
Royal Polished Steel Roaster and Baking Pan.



Self-Basting. Saves 20 per cent. that passes off in steam when roasted in an ordinary pan. *Made of polished steel,* in 7 sizes, including *inside pans* and *grate bars* in all sizes. *Bakes finest bread.*
For terms, address
THE ROYAL POLISHED STEEL ROASTER CO., Troy, O., U. S. A.

BEST MADE!

CORRESPONDENCE SOLICITED. WRITE FOR PRICE LIST & DISCOUNT
EXCELSIOR INJECTOR
N. A. WATSON ERIE PA.
WATSON FILTER

—ESTABLISHED IN 1874.—
ROCKFORD TACK COMPANY, ROCKFORD, ILL.
MANUFACTURERS OF
HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.
Also a full line of Shoe Finder's Tacks and Nails.
—Orders Solicited.—
Prices and terms quoted promptly on application.

"PRODUCTIVE OF RESULTS."

Pope Mfg. Co., Hartford, Conn. [*Bicycles*]: While little advertising seems to be necessary this year to sell Columbia Bicycles, we still feel that our advertising with you is productive of results.

The Eynon Patent Mixer and Beater



MECHANICAL LID

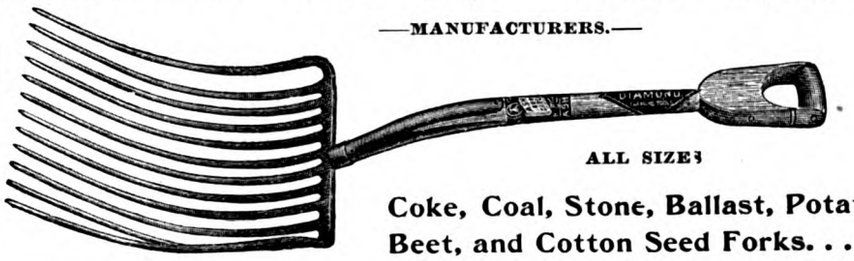
Will mix and beat the stiffest kind of batter for cake and other purposes (mixing all the ingredients at one time), mash potatoes or other vegetables and fruits, whip cream, mix salad dressings, churn butter, etc., in fact will mix and beat all things requiring to be mixed or beaten in one-fifth the time and labor required now by hand. When the lid is removed all the working parts follow, being attached securely to it, thus leaving the contents of the pan free of obstruction. It is easily cleaned and will not get out of order. Prices quoted upon application.

EYNON & SONS,
122 N. Sixth Street, Philadelphia, Pa.



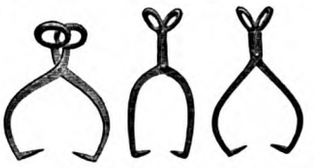
PAN AND LID

ASHTABULA TOOL CO., Ashtabula, Ohio.
—MANUFACTURERS.—



ALL SIZES

Coke, Coal, Stone, Ballast, Potato, Beet, and Cotton Seed Forks.....



ICE TONGS,
Axes, Chisels, Hand Saws, Scales,
And all varieties of
ICE TOOLS FOR SUMMER USE.



WM. T. WOOD & CO.,
MANUFACTURERS OF
FINEST QUALITY ICE TOOLS,
100 Massachusetts Ave., - ARLINGTON, MASS.

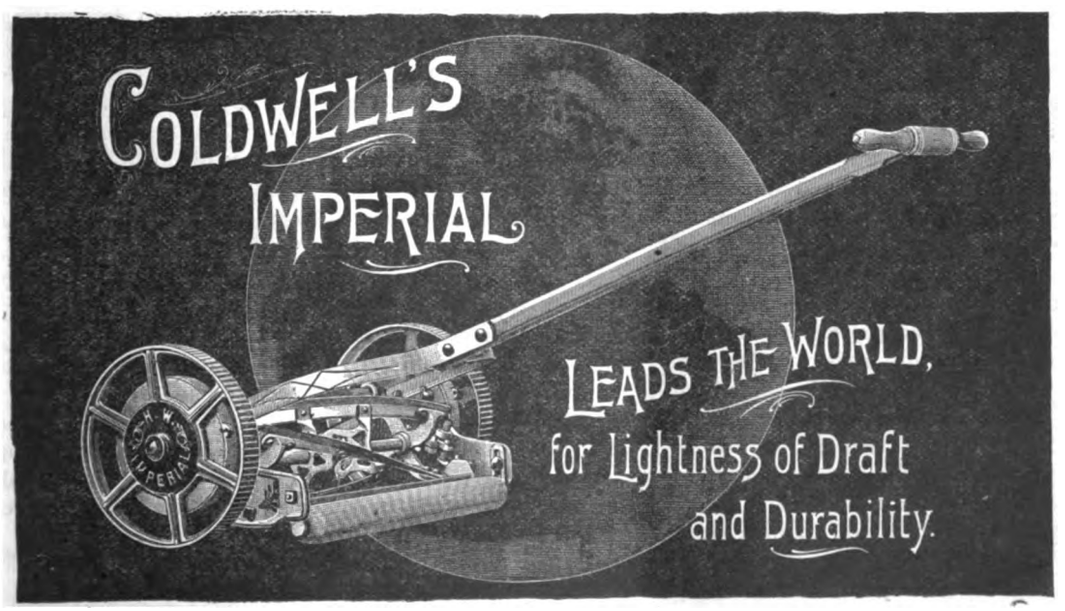
Send for 1897 Illustrated Summer Circular.

How to Spoil a Good Knife.

"There's a knife I bought in your store awhile ago and the blades have given out," said a countryman in a large Hardware store yesterday afternoon. "What's the matter with it?" asked the clerk, and the customer proceeded to relate how the "temper" had left the blades. He said he used his knife chiefly to cut plug tobacco and apples, and the confession led to a discussion of knives in general, during which the countryman was given the information that the acid in apples and plug tobacco would draw the "temper" out of the best knife blade ever made. "Very few people understand that fact," said the salesman, "but it is a fact just the same. A knife that is used to cut apples and tobacco will give out a great deal sooner than it would had it been used only on the hardest wood. A great many people sharpen pencils with a knife and then kick when the blade becomes dull or nicks. The reason is that the lead is gritty, and when it shows its effect on the blade the complaint is made that the steel is either too hard or too soft.—*Grand Rapids (Mich.) Herald.*

Until 1720 the greater part of the iron manufactured in the American colonies was produced in Massachusetts; in 1750 Pennsylvania became the leading iron-producing State and maintained the supremacy.—*Industrial World.*

Some people take so long loading their gun with brilliant ideas that they die before they have a chance of firing it off.



To the Trade:

We are offering for the Season of 1897 the Finest Line of LAWN MOWERS for both Hand and Horse Power ever placed on the Market.....

Send for our Catalogue and prices.

Coldwell Lawn Mower Co.,
Newburgh, . . N. Y.

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A School for Salesmen.

In a recent number of the *Scientific American*, reference is made to a school for salesmen in connection with a manufacturing plant in this city, which would seem to have found a new field of usefulness that should insure success.

Probably no industrial institution in the world off rs more unique features than does this plant, and the method by which the business is conducted. Aside from the manufacturing part of the business, great attention is paid to the systematic training of employes. Usually the salesman is a person who is given a sample of the article which he is intended to sell, and he is sent out among prospective buyers to work out his own salvation; but the proprietors of this manufacturing company determined that salesmen should be as carefully trained as professional men, and to this end they have devoted a great deal of time and expense. The school for salesmen is situated in the upper part of the factory, and is fitted up with a small theater, the seats arranged in a circle, and a stage is provided which represents the office of the business man or any kind of store, as a Hardware store, candy store, grocery store, etc.

The man who wants to become a salesman may take up a course in this school, at the company's expense, and, while sitting in the auditorium, he is enabled to see how a thoroughly skilled salesman approaches a probable purchaser and how he overcomes the objections which the merchant is almost sure to bring up. Then, in turn, the embryo salesman is required to take his place upon the stage and thus learn confidence and tact while he is watched by expert critics who are able to make friendly suggestions or criticisms when they are needed. The places at the side of the stage are filled with what appear to be store windows, which are utilized to display goods of various samples, so as to familiarize the salesmen with the art of window dressing, in order that they may make valuable suggestions to customers. It is little wonder that, under this system, salesmen which are turned out are able to act successfully as agents for the establishment which employs them.

Never Too Late to Learn.

The advice of an old sage in the business to a young man just starting on the road, and which is worthy of repetition, is as follows:

"Remember, son, the world is older than you are by several years; that for thousands of years it has been so full of smarter, better and younger men than yourself that their feet stick out of the dormer windows; but when they died, the old globe went jogging along, and not one person in ten million went to their funeral, or even heard of their death. Be as smart as you can, of course. Know as much as you can without blowing the packing out of your cylinder heads. Shed the light of your wisdom abroad, but don't dazzle people with it. And don't imagine a thing is so simply because you say it is so. Don't be sorry for your father because he knows so much less than you do. The world has great need of young men, but no greater need than the young men have of it. Your clothes fit you better than your father's fit him—they cost more money, they are more stylish; your mustache is neater, the cut of your hair is better, and you are prettier, oh, far prettier than 'pa.' But stop a moment, young man, and reflect. The old gentleman gets the bigger salary, and his homely, scrawling signature on the business end of a check will drain more money out the bank in five minutes than perhaps your handsome autograph can do during the balance of your mortal life. Young men are useful and they are also ornamental, and we all like them—but they are no novelties, son, oh, no, nothing of the kind. They have been here before. Don't be so modest as to shut yourself clear out, but don't be so fresh that you will have to be put away in a cooler to keep from spoiling. Don t be afraid that your merit will not be discovered. People all over the world are looking for you, and if you are worth finding they will find you."—*Tradesman.*

Iron for Malleable Castings.

Special iron has to be selected for castings that have to undergo conversion into "malleable cast iron." It must be very hard, and Lorne and Cumberland brands, in England, are largely used, with some white or mottled hematite. Gray iron is quite unsuitable. The castings should show a fine brilliant white crystalline structure when broken, and so hard that they cannot be cut or filed. They have to submit to annealing for several days before they can be operated upon. Small castings are packed in cast iron boxes in the annealing furnaces, and completely surrounded with iron ore or metallic oxides. Red hematite ore is mostly preferred. The ore can be used several times, but requires to have the addition of a little fresh unburnt ore every annealing. Small articles should be kept in the annealing oven at a uniform red heat in the iron boxes for six or seven days, but thick castings may require three or four weeks' annealing. Extra care is required in the molding of articles for malleable cast iron. The molds must be very clean, for any dirt or slag shows conspicuously when the castings have come through the annealing oven. Malleable cast iron is undoubtedly of great value in such articles as wheels and pinions. Steel is, however, now superseding the use of malleable cast iron to a great extent, for it is little, if any, dearer. Sharp internal angles of all kinds in the patterns for steel or malleable castings should be avoided.—*Engineer* (*England*).

The Razor Trade.

In razors even more than in scissors the foreigner has taken Sheffield trade. Hamburg gave us hollow-ground razors, and they were only slowly followed on this side. Even yet there are Sheffield makers who send their blades to Germany to be hollow ground, although that is not so frequent as it was. As long as a well-finished hollow-ground German razor can be sold at about the price it costs in Sheffield to produce a razor blade, the Germans will keep the business. The Sheffield workpeople lost a great opportunity when hollow-grinding was commenced. They ought then to have gone vigorously into the business, instead of letting the foreigner have it all to himself. Now the hollow-gronnd razor is preferred all round and Sheffield has to work up lee way. One of our local manufacturers affirms that the Germans stamp their blades so perfectly that the grinder is left very little to do, putting on the blade a truer edge, and all the blades being uniformly excellent. The great Indian market for razors is being largely covered by Solingen firms with their cheap but well-made razors. The Hindoo is the greatest shaver in the world, and as he rarely uses his razor more than once, having no means of putting it right, the quantity used in India is enormous.—*Hardware Trade Journal.*

"My son," said the graybeard, "you are about to go forth to do battle with the world."

"Yes, father," answered the young man.

"One of the first things you should learn, my boy," the old man continued, "is to learn to say 'no'."

"I think I understand."

"I dunno whether you do or not. The point I am trying to get at is that the habit of saying 'naw' and 'nit' was all right while you were in college, but it ain't the correct thing for a business man."—*Cincinnati Enquirer.*"

HARDWARE is printed for men now on earth.

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The President of the United States.

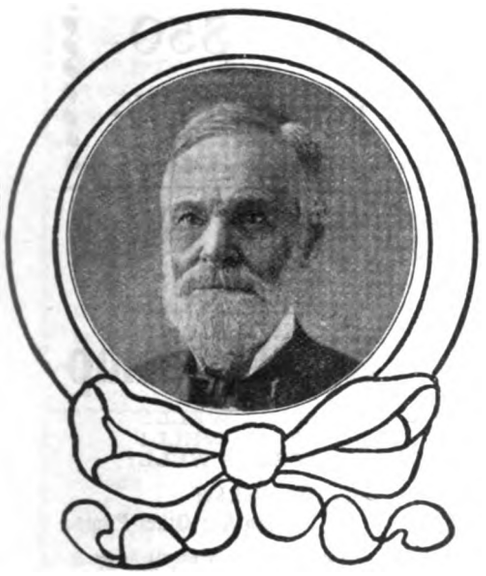
What the President of the United States Thinks About Our Enterprise.

William McKinley addressed the Convention of The National Cash Register Company, at Dayton, Ohio, October 22, 1895.

"It gives me great pleasure," he said, "to meet you here, and to congratulate you upon the splendid enterprise in which you are engaged.

"I have known The National Cash Register Company for many years. I have known the splendid progress of that industry in the past, and my only wish for you is that the business of this country from now on may be such that there will be a great demand for your cash registers, and that we will be able to register more cash than ever before in the transactions of this state and the country at large.

"What we want, no matter where we live and no matter in what occupation we may be engaged, is the highest prosperity possible for our country, and whatever will secure such prosperity, no matter what it may be."



The Secretary of State.

What the Secretary of State Says About Our Work.

On Saturday, October 24, 1896, Hon. John Sherman addressed the International Convention of The National Cash Register Company. He said:

"It gives me great pleasure to address an assembly of this kind upon whose faces are written intelligence, ability and integrity. Our country is made greater by the progress and strength of its industries. And among these industries none has a better reputation for integrity and strength than The National Cash Register Company.

"You people are engaged in a very great work—properly taking care of their cash for retail merchants. If the cash is right everything else will be right.

"There is plenty of cash in this country, and if it is well taken care of and properly handled the cry of hard times will be heard no longer."



John Wanamaker.
Twenty National Cash Registers in use in his Philadelphia Store.

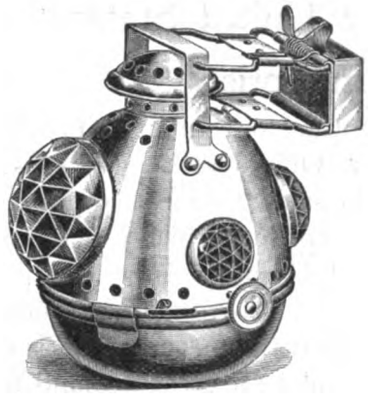
What the Retail Merchants of the World Say About National Cash Registers.

We are proud of this indorsement by the president of the United States and by the secretary of state, but we are prouder still of the indorsements of our company and of our registers by more than one hundred and fourteen thousand retail merchants throughout the civilized world who have purchased registers from us and are now using them.

We have testimonials from thousands of these merchants, and to any retailer who desires we shall be glad to send copies of letters written by merchants in his line of business who reside in his immediate vicinity.

Send us your name, address, business, number of clerks in your store, and state whether or not you employ a cashier. We will send you in return, free of charge, a handsomely-printed description of a cash register system used in stores like yours. You place yourself under no obligation to buy. Address Dept. H, The National Cash Register Company, Dayton, Ohio.

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The Fire Ball.

Price $2.00.

White front light, Red rear and Green side lights,

And is the prettiest lamp, day or night, ever put on a wheel. Burns, 12 hours; weighs less than any other lamp; made of drawn brass, handsomely nickeled, practically one piece; no losing of parts. Attractive prices to dealers; get sample of your jobber. . . .

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Cycle Danger Signal Co., *107 Chambers Street, NEW YORK CITY.*

WYNNEWOOD TANDEM AT $100.

Catalogue . . . Now Ready.

GOOD AGENTS WANTED.

Wynnewood BICYCLES AT $75, $60, and $50.

A. M. Scheffey & Co., 92 READE STREET, NEW YORK.

SEND FOR CATALOGUE.

REDUCED PRICES.



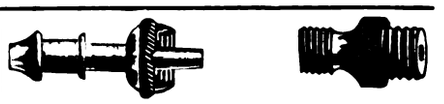
REMINGTON HAMMERLESS EJECTOR GUNS.

Five Grades.

Remington Arms Co.,

ILION, N. Y. 313-315 Broadway, New York.

SAN FRANCISCO, 425-427 MARKET STREET.



EAGLE

Bicycle Pump

MADE WELL!
SELLS WELL!
WEARS WELL!

Fills Tires Quicker Than Any Other Pump.

Connecting nipples all accurately threaded, and will fit all the well-known tires.

Write for Trade Prices
Special Inducements to the Jobbing Trade.

Henry Haas & Son,

551-553 West 35th St., NEW YORK.

Ames Sword Co., Chicopee, Mass.

— OUR SPECIALTIES: —

PERFECTION PADLOCKS,

All Sizes, 1-2 inch to 2 1-2 inches.

PROTECTOR REVOLVERS,

The Greatest Novelty of the Age.

Compressed Seam Fork Sides and Handle Bars.

CORRESPONDENCE SOLICITED.



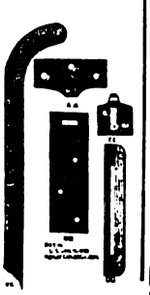
THE "PHENIX" HANGER

SOLVES THE PROBLEM

How to Hang Entire Screens and Storm Windows.

It's the "Housewife's Joy" for clean windows, Ideal Ventilation, No Flies, Solid Comfort. SCREENS are hung or removed with ease from inside at any time, by any person. Sold by all principal Hardware dealers.

For descriptive Circular, price list and trade discounts, address



Phenix Manufacturing Co.,

278 Third Street, MILWAUKEE, WIS.

WILL CONTINUE TO USE HARDWARE.

Monarch Cycle Mfg. Co., Chicago, Ill. [*Bicycles*]: We used HARDWARE last year quite extensively, and as soon as we have our arrangements completed for next season's business, we will continue to use your publication to reach the Hardware trade. We have no hesitation in saying that HARDWARE is one of the best mediums of its class, and the services rendered us by your publication have been entirely satisfactory.

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CONDENSED BUSINESS WISDOM.

"IN YOUR COLUMNS FROM THE FIRST."

Van Wagoner & Williams Hardware Co., New York and Cleveland. [*Hinges, Anvils, etc.*]: Having been represented in your columns almost from the first issue, we have a feeling of pride and pleasure in your achievements.

"VERY USEFUL TO US."

J. A. Ross & Co., Boston, Mass.: We find HARDWARE very useful to us, as well as interesting. Considering the quantity and quality of matter in each issue, the subscription price is very low for a semi-monthly magazine.

"SUBSCRIBE WITH PLEASURE."

Brown & Gilbert, Boston, Mass.: Please find enclosed $1 in payment for HARDWARE. We have found HARDWARE very useful and instructive, and subscribe for the coming year with pleasure.

"ADVERTISEMENTS HAVE GIVEN RESULTS.

W. C. Heller & Co., Montclair, N. J. [*Mail Boxes, Grips, Plows, etc.*]: Our advertisements in your columns have given results that assure us that they are closely watched by the trade.

"A DOLLAR WELL INVESTED."

John T. Merimee, St. Mary's, Ky.: Enclosed please find $1 in payment for another year's subscription to your valuable paper—a dollar well invested, I believe, for it keeps me posted.

"PRIZED IT VERY HIGHLY."

A. J. Pellum, Ranger, Texas: Enclosed find money order for $1. Please credit my account with the same. I prize your paper very highly and cannot afford to be without it.

"VERY MUCH PLEASED."

The Banks Hardware Co., Henderson, Ky.: Enclosed find Post Office order for $1, our subscription to HARDWARE. We are very much pleased wi h the publication.

"JUST THE PAPER RETAILERS WANT."

Henry E. P. Pritchard, Philadelphia, Pa.: Enclosed find $1 for which please send me HARDWARE for one year. It's just the paper retailers want.

"THE BEST WE HAVE SEEN."

Massey & Thompson, Monroe City, Mo: Place our name on your subscription list. Your paper is the best thing we have seen in that line.

"ONE OF THE BEST MEDIUMS."

Lane Bros., Poughkeepsie, N.Y. [*Hardware Specialties*]: One thing we know—we get the trade, and have good reason to believe that HARDWARE has in the past been one of the best mediums for our large trade and the popularity of the Lane goods.

"THE MOST HELPFUL AID."

Pike Mfg. Co., Pike Station, N. H. [*Whetstones, Oil Stones, etc.*]: We like to keep our name and our wares before the public in a modest way. We have found HARDWARE the most helpful aid toward accomplishing that purpose.

"BEYOND CRITICISM."

Wm. Jessop & Sons, New York. [*Steel manufacturers*]: Another five years as proportionately successful as HARDWARE's last will place it almost beyond the criticism of friends or competitors.

"IS JUST RIGHT."

Alling & Lodge, Madison, Ind.: We enclose $1 to pay for our subscription to HARDWARE for one year from date. Your paper is just right; don't make it too big so one can't find anything in it.

"WORTH DOLLARS TO DEALERS."

J. T. Morris, Cleveland, Ohio: HARDWARE is a bright, spicy journal, and I look forward to its arrival as one of the family. The Prices Current quoted by it are worth dollars to any dealer.

"OF INTEREST TO LIVE DEALERS."

Van Voorhis & McNair, Crawford, Neb.: We like the journal very much. It always comes to our desk full of bright, sound matter, that cannot but be of interest to all good live dealers.

"NEARLY FROM THE BEGINNING."

Samson Cordage Works, Boston, Mass. [*Cordage*]: We have had our advertisement with you nearly from the beginning, and we know no reason why we should not continue it.

"A VALUABLE ADVERTISING MEDIUM."

Harvey Hubbell, Bridgeport, Conn. [*Machinery and Tools*]: We are very much pleased with your paper, and consider it a valuable advertising medium.

"EXPERIENCE MOST SATISFACTORY."

Partrick & Carter Co., Philadelphia, Pa. [*Electrical Goods*]: Our experience as advertisers with you has been of a most satisfactory character.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Baltimore, Md.—The Union Hardware Co. at No. 1405 North Charles Street.

Bellflower, Ill.—H. McIntyre & Son.

Beverly, Mass.—Geo. F. Hinkley.

Brandon, Tex.—The Brandon Hardware Co. Capital stock, $15,000.

Burlingame, Kan.—The Filley Hardware Co. Capital stock, $8000.

Champaign, Ill.—Bryant & McConney.

East St. Louis, Ill.—The Herman-Gutwald Hardware Co. Capital stock, $4000.

Ellsworth, Wis.—The Foss - Armstrong Hardware Co. Capital stock, $2500.

Farmington, Me.—W. McLeary.

Griffin, Ind.—J. O. Calvin.

Houston, Tex.—The Whittlesey Hardware Co. Capital stock, $20,000.

New Lothrop, Mich.—C. & F. Stuart.

Rogers Park, Ill.—L. Beck & Co.

Sacramento, Cal. — Wilcox & Rose Co. Capital stock, $75,000.

South Connellsville, Pa.—The South Connellsville Merchandise & Supply Co., Limited. E. K. Seeman, manager.

St. Paul, Minn.—The Minnesota New Light Co. Capital stock, $100,000.

Tunkhannock, Pa.—A. P. Williams.

Veblin, S. D.—Ingobo Kittleson.

Changes and Removals

Abington, Mass.—George E. Fairbanks and George E. Gormley have purchased the business of Washburn & Davie.

Ada, Minn.—Larson & Lystad; succeeded by Theodore Lystad.

Beeville, Tex.—Burrows Bros. have begun the erection of a large brick business house, which they intend occupying at a later date.

Boone, Iowa.—W. W. Mellor intends removing his Hardware store to Luther, where he will add to the stock, and have a good surrounding country to supply.

Chambersburg, Pa.—W. H. Walker & Co. have sold the block in which their store is located to C. P. Speer.

Champaign, Ill.—Bryant & McConney are preparing to open up their new stock of Hardware at No. 10 Main Street. They will not at present add the stove or tinware departments.

Chillicothe, Ill.—D. B. Bland; succeeded by E. G. Burner.

Choice, Minn.—Elefson Bros. have dissolved. J. Elefson will continue the business.

Crawfordsville, Ind.—W. F. Jurgeng has purchased an interest in the business of Neal & Boyce.

Eldorado Springs, Col.—R. R. Stephens & Son have moved their Hardware stock from the Cruce Building to Conway's Building, opposite the Grand Central Hotel.

Flora, Ind.—J. A. Crecraft has purchased an interest in the business of E. Clingenpeel.

Gananoane, Can.—Britton & Donovan, general store; D. Darling, grocer; E. H. Ellis, Hardware, and H. C. Taylor, dry goods, intend amalgamating their various businesses into a new department store under one roof, and hope to open the same by May 1st.

Hempstead, Tex.—Galewsky Bros. are reported to have dissolved partnership.

Markesan, Wis.—Edward G. Loebel, sold to Charles F. Hanson.

Mattoon, Ill.—The Moran & Phillips stock has been purchased by W. E. Maxey.

Mechanicsburg, Pa.—A. W. Milleisen is improving his Hardware store by placing a new front in position, which will greatly improve it.

Mexico, Mo.—Potts & Hord, succeeded by Hord & King.

Moline, Ill.—It is probable that Quick & Orum will move from their Third Avenue location to the McKinnie block.

Monroe City, Mo.—Massey & Thompson, sold to C. B. Payne.

Montpelier, Vt.—Fred Blanchard has his Hardware business installed in his handsome new store in the Lawrence Block. His store is 83x34 feet, and among the most commodious and convenient in the town.

Mt. Sterling, Ill.—J Breidenbend has purchased the Hardware stock of Bordenkiercher & Greenwell.

New Haven, Conn. — Linsley & Lightbourne, Hardware dealers at No. 33 Broadway, have secured a lease of the adjoining property as far up as No. 39, and by extensive alterations have connected the whole into a mammoth warehouse, enabling them to carry a much larger stock of Hardware and agricultural implements.

North Hampton. Ohio.—J. P. Hackett is closing out his business.

Plattsburg, Mo.—Porter & Thomas, sold to D. Walker.

Redfield, S. D.—E. B. King has moved stock to his own building.

Richford, Vt.—Ayer & Ladd have dissolved, and Mr. Ladd will move back to Enosburgh Falls, where he intends to go into business.

Salisbury, N. C.—Robert L. Shaver intends building a brick business house, which will be occupied by W. H. Smithdeal as a Hardware store.

Saratoga Springs, N. Y.—G. F. Harvey has been succeeded by the Towne Hardware Co., of which O. D. Towne is senior member and general business manager. Mr. Towne has had the business management of the store for the past two years, and under his management the sales have increased from $25,000 to nearly $70,000 per annum.

Scranton, Pa.—Jas. B. Gilhool's Hardware store is in course of being improved by a very handsome new front, in connection with which the interior will also be renovated in a thorough manner.

South Omaha, Neb.—A. C. Raymer has closed his N Street Hardware store, moving his stock of goods to Omaha, where he will continue his business.

Smyrna, N. Y.—W. P. Briggs has been succeeded by George A. Munson.

Tracy, Minn.—Taarud & Hangen have purchased the city hotel at this place, and will move their Hardware store to this city at an early date.

Troy, Ohio.—Coles, Baird & Smith, succeeded by Coles, Schaible & Smith.

Van Wert, Iowa.—Imhoff & Son have sold out their interest to Messrs. Thompson & Steer. M. F. Thompson, of the new firm, has been connected with the firm of Imhoff & Son for the past year. Mr. William Steer is a resident of Truro, Iowa.

Warren, Ohio.—The Warren Hardware Co. has secured a certificate for increasing its capital stock from $33,000 to $50,000.

Webster, N. D.—McConnachie & Co. have dissolved.

Winona, Minn.—G. A. Hess contemplates moving to a new location.

Business Embarrassments

Cannington, Ohio.—John R. May has assigned to J. W. May.

Norwalk, Ohio.—The Butt & Peck Co. have been closed by the sheriff. Liabilities, exceeding $21,000.

Sanford, Fla.—F. B. Bruce, Hardware and sporting goods, has assigned to E. B. Durbin. Liabilities are about $2500. Assets about $2000.

Burglaries in Hardware Stores.

Elsie, Mich.—L. B. Downey, cutlery, etc. Loss mounting to about $100.

Lincoln, Neb.—J. G. Cook & Co., knives, razors and revolvers, amounting to $50.

Russellville, Ky.—W. C. Seward & Co., shotguns and ammunition. Amount of loss not stated.

Sedgwick, Kan.—S. Shattuck, knives, razors and pistols. Amount of loss, $75.

Recent Fires.

Benton Harbor, Mich.—J. Baker. Loss, $1200. Fully insured.

Bloomington, Wis.—Fred Fisher. Loss, $3000. Insurance, $2200.

Caldwell, Tex.—A. Carr, Jr. Loss, $1000. Fully insured.

Hamilton, Ont. — Peter Bertram. Loss on stock, $20.000. Insurance, $14.000.

Houston, Tex.—By the destruction of the Harris House, Mills & Bass lost between $800 and $900 worth of Hardware implements, on which the insurance had expired only one day previous.

Knoxville, Tenn. — W. W. Woodruff & Co. Loss on stock, $100,000. Insurance, $70,000. Loss on building, $12,000. Insurance, $10,000.

Luverne, Minn. — W. H. Tomlinson. Damage, $2000. Fully insured.

Monmouth, Ill.—W. H. Brown. Loss, $3000. Insurance, $2800.

Spangler, Pa.—E. M. Binder. Loss about $5000. Insurance, $2300.

Spring Water, N. Y.—Humphrey & Marvin, by an explosion, suffered a loss by fire of $30,000. Insurance, $13,500.

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A NEW THING ∴ A GREAT SELLER

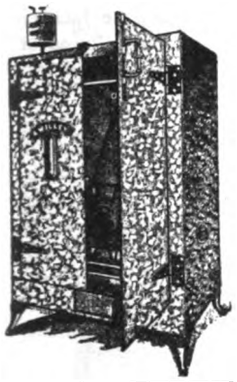


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Made of Tool Steel, Oil Tempered.

Send for Particulars Now.

Akron Hdw. & Stamping Co., AKRON, OHIO.

WILLEY'S
Enameling Ovens



Fully Guaranteed in Every Respect. . . .

Sheet Metal Ovens

Of all kinds, built to order, and kept in stock. . . . .

A. WILLEY,
179 X Lake Street, CHICAGO, ILL.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,
Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.
BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

Camp's SUCCESS ANIMAL POKE

The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross. Sole Mfr. Galien, Mich.

THE EXCELSIOR CARPET STRETCHER



and TACK HAMMER. Can be used by anyone. None better. Simple, Effective. Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.

DYER & DRISCOLL
PATENT SOLICITORS, 36 Wall St., N.Y



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Our handsome new Catalogue telling all about our **Gasoline Fires** and **Hose Goods**, combining also many useful facts and figures gleaned from years of experience, sent for the asking. Be sure to have one. . . . . .

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KEARNEY & FOOT CO. 100-102 Reade Street, NEW YORK.

The BEST Drill on the market.

Sidney Steel Scraper Co.,

MANUFACTURERS OF

Drag and Wheel Scrapers, Wheelbarrows and Trucks.



WRITE FOR PRICES AND CATALOGUE.

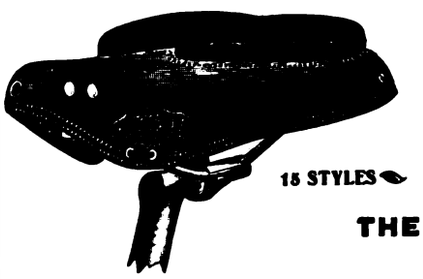
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. . . . EBERHARD'S PROCESS. . . . .

TIN PLATING ON CAST IRON AND OTHER METALS.

Cheapest and Best Process in existence.

Address C. F. EBERHARD,
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Enamelers, Electroplaters and Cycle Manufacturers, - - 950 Willson Ave., CLEVELAND, OHIO.



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15 STYLES

Absolutely the highest grade on the market. For perfection in design, beauty of finish, quality of material, and comfort in riding they surpass all others.

THE BUTLER & WARD CO.,
NEWARK, N. J., U. S. A.

TRUCKS OF ALL KINDS.
A. ADAMSON
MACHINIST.
Corner Exchange and Water Streets, AKRON, OHIO.

General Machine Work, Molds for Bicycle Tires, Air Goods, Druggists' Sundries, Matrices for Hard Rubber Goods, Die Sinking, Hydraulic Presses, Special Machinery, etc. Estimates cheerfully given. Correspondence solicited. Work promptly done.

Rubber Machinery

The Bicycle Rider Made Happy By Using

THE STODDER PUNCTURELESS TIRE.

Leave your Repair Kit at home.

It is Puncture Proof, Light, Durable Resilient and Speedy. . . . .
No Steel Wire. No Leather Strips.

STODDER PUNCTURELESS TIRE CO.,
54 WARREN STREET, NEW YORK.

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Baltimore, Md.—The partnership heretofore existing between Richard Cromwell and Frank B. Sloan, under the firm name of C. Sidney Norris & Co., has been dissolved, Mr. Sloan retiring. Mr. Sloan will continue the manufacture of Hardware specialties, under the name of Frank B. Sloan & Co., at No. 112 West Fayette Street.

Chattanooga, Tenn.—An immense boat-oar factory will be built in Chattanooga at once. The stock has all been subscribed and application for a charter filed. The capital stock will be $50,000. The incorporators are E. G. Richmond, C. V. Payne, Sol Moyses, W. A. Sadd and J. L. Conner. The company has several sites in view, but has not definitely decided upon a location, further than that it will be located on the river and on high ground.

Hamilton, Ont.—The Dowswell Mfg. Co., Limited, is to have a capital stock of $75,000 in $50 shares. It is to manufacture and deal in churns, cream separators, butter-workers and other dairy specialties and utensils, and washing machines, mangles, etc. It consists of G. B. Dowswell and others, of Hamilton, and Mrs. Julia Eliza Cowan, Gananoque.

New York, N. Y.—The "Air Lighter Co." was incorporated by C. A. O. Rosell and others, to manufacture gas tips and burners and other inventions in connection with gas, oil, or spirit lighting. The capital stock is $800,000.

Saddle River, N. J.—The Sterling Machine Tool Co., with salesroom in New York City, has been organized under the laws of New Jersey with head office at Saddle River. The officers are: President, Henry F. Frevert; secretary, Bernard O. Bogert; treasurer, David G. Phillips. The company is doing an extensive business in metal-working machinery.

Providence, R.I.—The United States Nut & Bolt Co. have been incorporated, with a capital stock of $1,000,000. The works of the company will be at this place.

Improved Conditions.

Albany, N. Y.—The Troy Steel Works at Breaker Island began operations in full this month. The blast furnaces have been running for eight or nine months, employing 500 men, and the resumption of work in the steel making department will provide work for 1000 additional hands. The steel works have been shut down since January 14th. The company has large orders ahead and the brighter prospects of the future led the directors to their decision.

Baltimore, Md.—The Baltimore Enamel Co. will increase its capital stock from $25,000 to $100,000 and expend the increase on extensive additions and new machinery for its plant. The capacity of the works will be increased threefold. About 100 hands are now employed. All kinds of enameled ware are produced, using a process of which this company alone has the formula.

Canton, Ohio.—There are many indications of increased activity in Canton manufacturing establishments, which will be glad news to all Cantonians. The Joseph Dick plant, which has been idle for a few weeks for needed repairs, has resumed operations. The firm will begin filling an export order from their house in Mexico City, Mexico, and will begin shipping as soon as the machines are completed. Mr. Dick reports quite an increase in foreign trade, and the indications are that the excellent reputation of this establishment for steady running will be fully sustained the coming season.

Cohoes, N. Y.—The Cohoes Tube Works will open a large warehouse and office in Troy, at Nos. 411-415 River Street. Three large four-story brick buildings have been practically made into one, and these, with a two-story building 60x30 feet situated in the rear, are occupied, and the fitting and arrangement of the buildings to meet the needs of the business are nearly complete. The works, which will remain at Cohoes, produce wrought iron pipe of all kinds.

Kalamazoo, Mich.—The Kalamazoo Radiator Co. are giving their plant a thorough overhauling, building new machinery and reconstructing old, and when this work is completed, will start up prepared to do a large business. The superintendent says the shop will be as well equipped as any in the country, and with improved methods he predicts a continuous run.

Middletown, Conn.—Wilcox, Crittenden & Co., said to be the oldest firm of ship chandlery in the United States, started on ten hours, six days a week. This is the first time in two years that they have run on full time. The firm employs 200 hands.

Muir, Mich.—The Muir washing machine factory has resumed operations recently, after a shut-down of several months. The company has been reorganized with Capt. J. O. Probasco as president.

Newcastle, Pa.—The industrial situation is more promising than for years. The wire nail mill has been put on triple turn and the force of workmen at the rod mill has been increased. The tin-plate works are running in every department, and the same can be said of the tube mill. At the keg factory recently five men and nineteen boys broke all previous daily records by making 4500 kegs. The wire nail mill is using on an average of 20,000 of these kegs weekly.

Niles, Ohio.—Contracts were let recently by the Falcon Iron & Nail Co. for the buildings and machinery for the new addition to its mill at that place. The main building will be 192x70 feet, and the warehouse to be built adjoining will be 70x62 feet. The buildings will be of frame, clad with sheet iron. Lloyd Booth & Co. were given the contract for the hot and cold rolls with which the mill will be equipped and the contract for the engines necessary in the driving of the machinery was awarded to William Tod & Co.

North East, Md.—A meeting of the stockholders of the Stevenson Wrench Co. was held recently, at which it was decided to make a call for the unpaid installments of the capital stock. It is expected that the factory, which was built during 1896, will be put in operation within a month.

Rome, Ga.—The Standard Scale Works will resume operations this month. The plant is owned by the Fairbanks Co., of New Orleans. For over a year the factory has been idle on account of the dullness of the market. The plant will be enlarged and its capacity greatly increased.

South Baltimore, Md.—The South Baltimore Car Works and the Maryland Nut & Bolt Works have about concluded arrangements for a consolidation. Plans to that end have been under consideration for some time. The plants of the two companies are located in the same buildings at Curtis Bay, and Mr. James Sloan has been president of both. He will be president of the consolidated enterprise.

Springfield, Ohio.—The Springfield Malleable Iron Co. state that they are running with 200 men full time, nine hours. They find the outlook encouraging and are receiving inquiries denoting an increase of business at an early date.

Tidioute, Pa.—A statement to the effect that the Tidioute Cutlery Works is about to remove back to East Randolph, N. Y., is going the rounds of the press. W. R. Dawson, secretary and treasurer of the company, declares there is no truth in the statement. The works are well established here and are doing a good business. To move would seriously interfere with the filling of the firm's orders. No such an idea, he declared, had been entertained by the officers of the company.

Tuscaloosa, Ala.—The rope and yarn mills of the J. Snow Hardware Co. are again moving. It is understood that arrangements have been made whereby the mill can dispose of its products in Birmingham. This is good news to Tuscaloosa, as it gives employment to some 175 laborers with a very neat weekly pay-roll.

Youngstown, Ohio.—The Brown Bonnell Iron Co. announces that its railroad spike mill will go on double turn and work indefinitely. The mill has not operated double turn for many months. The works will now continue with much brighter prospects than for some time.

Youngstown, Ohio.—The Morris Hardware Co. recently shipped a large lot of merchandise to Honduras, and it is only part of a large order from a firm there who want stoves, nails, pipes, and all kinds of Hardware. The duty on a keg of nails coming into Honduras is $4.22. Nails retail there at 18 cents a pound, payable in gold.

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The Improved For 1897



H. & W. No. 14

Hinge Spring

COMMON SENSE SADDLE.

The most comfortable Saddle on the market.

7

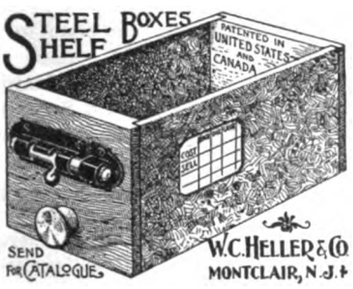
Different Styles.

MANUFACTURED BY

The Harden Saddle & Specialty Co.,

TOLEDO, OHIO.

Write for Catalogue and prices.



JOB LOTS OF HARDWARE

I buy and sell in any quantity complete lines of HARDWARE. MANUFACTURERS having JOB LOTS will find me a ready purchaser. RETAIL DEALERS will find my prices lower than any house in the business. . . .

A. N. JACOB, 491-493 Broadway, NEW YORK.

Hastings & De Baan,

HARDWARE MANUFACTURERS' AGENTS,

124 Chambers St., New York.

NEW YORK OFFICE OF

THE PHOENIX HARDWARE MFG. CO.
MASON & PARKER. J. B. TATEM & SON.
THE BARNES TOOL CO. E. LOUD MFG. CO.

BICYCLE RIDERS ARE LOST

Without a pair of



Thiem's Patent Adjustable Toe Clips.

They give double driving or doublestopping power. 200,000 pair in actual use.

THIEM & CO., Sole Mfrs., ST. PAUL, MINN.

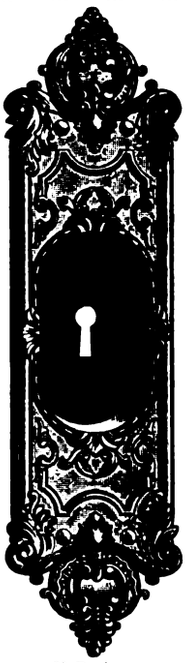
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80 PINE STREET,

NEW YORK.

BONE BLACK

For Tempering and Filtering Purposes.



Y Design.

Artistic Hardware

adds much to the appearance of a building. A beautiful design is pleasing to the eyes of the passers-by, and a satisfaction to the occupants of the house. Our designs are handsome and suitable for different styles of architecture. Sargent's Locks are of the highest grade, combining durability and security with the Easy Spring principle which has met with so much favor.

Sargent & Company,

Makers of Fine Locks and Artistic Hardware,

New York; and New Haven, Conn.



A Great Seller!

At a Good Profit.

Pike's Quick Edge Pocket Knife Hones, in display box, a practical sharpener for knives and scissors.

Send for Prices.

Scythe Stones, Oil Stones, Razor Hones, Etc.

THE PIKE MFG. CO.,

Pike Station, N. H.

REMEMBER THAT

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Are fitted with the ONLY PRACTICAL HARDENED RIVET MADE and don't fail to specify them when ordering wheels. . . . .

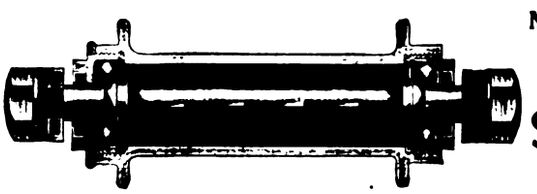


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INDIANAPOLIS, IND.

R. B. McMULLEN & CO., Chicago and New York, General U. S. Sales Agents.
New York Depot, J. S. Leng's Son & Co., 4 Fletcher Street.
Boston Depot, Very Cycle Co, 245 Columbus Avenue.
Pacific Coast Depot, Western Rubber Co., 14 Fremont Street, San Francisco.

SIMPLE SOLID SENSIBLE TIGER Bicycles.



No Castings! No Freaks! No Nonsense!

THREE GRADES,

$100, $75, $60.

Send for Art Catalogue M.

STODDARD MFG. CO., Dayton, Ohio.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Alexandria, Va.—The Smith Flexible Chain Co. has been organized, with E. J. Smith, of Washington, D. C., as president.

Baltimore, Md.—The Union Hardware Co., North Baltimore agents for the Eagle bicycle, have opened new store at No. 1405 North Charles Street.

Belt, Mont.—T. H. Campbell & Co., druggists, have taken up bicycles, and have accepted the agency for the Columbia.

Champaign, Ill.—F. A. Wilske and J. Ver Haar, bicycles, opened new store on April 1st.

Chester, Pa.—Russell & Co. will add bicycles to their regular stock.

Chicago, Ill.—The Calumet Rubber Tire Co. has been incorporated in Chicago, for manufacturing rubber tires. Capital stock, $6000. Incorporators, F. W. Kinney, Wm. W. Wright and John R. McQuiston.

Chicago, Ill.—C. H. Peck, bicycles, has opened new store at No. 2132 Indiana Avenue.

Chicago, Ill.—The Bentley Cycle Co. has been incorporated by W. A. Bentley and others to deal in bicycles. Capital stock, $2500.

Chicago, Ill. — The Commercial Wheel Works have been incorporated by Robert W. Richards and others to manufacture bicycles. Capital stock, $50,000.

Chicago, Ill.—The Dania Cycle Co. has been incorporated.

Chicago, Ill.—The H. A. Christ Co. has been incorporated by H. A. Christ and others to manufacture bicycles. Capital stock, $250,000.

Chicago, Ill.—The Invictus Cycle Fittings Co. have applied for incorporation to manufacture fittings for bicycles. Capital stock, $25,000.

Chicago, Ill.—The Old Hickory Bicycle Co. has been incorporated.

Council Bluffs, Iowa.—S. M. Williamson, bicycles, will open new store.

Darlington, Ind.—G. W. Seybold & Co., Hardware, sporting goods, etc., have opened up in their new quarters.

Deep River, Conn. — Lawson Allworth opens a new store.

Detroit, Mich.—The Detroit Bicycle Improvement Co., Limited, has been incorporated.

Dubuque, Iowa.—Herancourt & Whelan, bicycles, opened new store.

Fitchburg, Mass.—Nathan & Remington, sporting goods, have opened a new store.

Fort Wayne, Ind.—Morgan & Co., bicycles, have opened new store.

Keene, N. H.—A. J. Sweeney & Co., bicycle repairers and dealers in bicycles, have opened new store.

Lock Springs, Mo. — D. B. Ashbrook, Hardware, sporting goods, etc., has opened new store.

Madison, Wis.—H. C. Hull, bicycles, bicycle repairing, has opened new store.

Milwaukee, Wis.—Bingenheimer & Schrader have opened new store at No. 521 Grant Avenue.

Mobile, Ala.—The Gulf City Carriage Co. has been incorporated to build carriages, buggies, wagons and bicycles. Capital stock, $50,000.

Nashville, Tenn.—W. B. Dum, bicycles and bicycle repairing, has opened new store on Woodland Street, near the corner of Second.

New Haven, Conn. — The New Haven Watch Co. has been incorporated by R. V. Beach and others for the purpose of dealing in bicycles for advertising purposes. Capital stock, $1000.

New York, N. Y.—Ideal Wrench Co. has been incorporated. Capital stock, $40,000.

New York, N. Y.—The Standard Bicycle Co. has been incorporated. Capital stock, $25,000.

Phœnix, Ari.—The Arizona Cycle Mfg. Co. has been organized. Preparations are being made to construct from 600 to 1000 bicycles.

Pittsfield, Mass. — Maxwell Eisner has formed a partnership with the Pittsfield Rubber Co. in the bicycle livery business.

Quincy, Ill.—J. H. Jarrett & Co., bicycles, have opened new store.

South Bethlehem, Pa. — Henry Weisenberger opens new store for sporting goods, etc.

St. Paul, Minn.—The New England Furniture & Carpet Co., Nos. 433 to 436 Wabash Street, have taken up bicycles, handling the Crescent and Eldridge wheels.

Tacoma, Wash.—The Fred T. Merrill Cycle Co., which represents the "Rambler" in the Northwest, will open a branch house and bicycle distributing depot in Tacoma, and keep the same open the year round.

Changes and Improvements.

Brookfield, Mass.—The Greyhound Bicycle Mfg. Co. has started working on ten hours' time. The full quota of hands is now employed, a large number of orders being filled, and everything pointing to a prosperous season.

Brewsters, N. Y.—Holmes Bros. dissolved. F. A. Holmes continues.

Chicago, Ill.—The Eldorado Cycle Co. sold to Thomas E. Fraher and D. B. Emanuel, who will continue as the Bicycle Mfg. Co.

Des Moines, Iowa.—Bishop & Lindquist, Hardware, etc., No. 509 East Locust Street, have been succeeded by the Bishop & Lindquist Hardware Co., who handle Hardware, sporting goods, etc.

Elmira, N. Y.—Paul A. Renton, bicycles, reported to have sold out.

Greenville, Pa. — The Greenville Tube Co., of which F. A. Ensworth is manager, has decided to enlarge its plant.

Jackson, Tenn.—J. Wadley has purchased the machine works of Mr. Midyett, and will conduct the business as the Jackson Bicycle Works.

Kankakee, Ill.—The Bradley Mfg. Co. has purchased the plant of the American Bicycle Co.

Kokomo, Ind.—J. E. Brumfiel has removed to Windfall, Ind.

Lott, Tex.—W. L. Watkins, Hardware, sporting goods, etc.; has sold out business to Charles L. Trice.

McDonald, Pa. — B. M. McCartney, sporting goods, etc., reported to have sold out.

Muskegon, Mich.—The Muskegon Rim Co. have disbanded. Stock has been sold to the Colton Cycle Works, of Toledo, Ohio.

New York, N. Y.—The Twentieth Century Mfg. Co.; change style to Paramount Bicycle Lamp Burner Co.

Providence, R. I. — The Thos. Wyatt Mfg. Co., chains; Albert D. White withdraws.

St. Louis, Mo.—The Midland Cycle Supply Co. have changed their style to Willis Arms & Cycle Co.

Stokton, Ill.—John Schubert, Hardware, sporting goods, etc.; Edward S. Patterson has purchased a half interest in the business.

Syracuse, N. Y.—The Burhans & Black Co., Hardware, sporting and athletic goods, etc., have leased large building adjoining their present quarters, and will merge the two buildings into one. It will probably be completed by May 1.

Trenton, N. J.—Stephen Harrison & Son, bicycles, reported to have been succeeded by Stephen Harrison & Sons.

Warren, Ark.—C. W. Hankins Hardware Co., Hardware, sporting goods, etc.; C. W. Hankins has bought out the business, and will continue same alone. He has made some important improvements to business.

Washington, D. C.—The Eastern Cycle Co. has sold out.

West Paris, Me.—The Wood Rim Co. is now turning out about 600 finished rims daily, and hope to finish 1000 a day within a month.

Williamsport, Pa.—The Cygnet Cycle Co. have granted sole manufacturing rights to the Stoddard Mfg. Co., Dayton, Ohio.

Recent Embarrassments.

Lawrence, Mass.—John H. Kelly, sporting goods, reported to have made an assignment.

Toledo, Ohio.—The Toledo Cycle Supply Co.; receiver reported to have been appointed.

Recent Fires.

Camden, Pa.—Sayers & Green, bicycle repairers, damaged by fire; loss, $500.

Milwaukee, Wis.—Elmwood Cycle Mfg. Co., wooden water cycles, damaged by fire; loss, $2000 or $3000; insured for $4000.

Milwaukee, Wis.—Elmwood Bicycle Mfg. Co., No. 318 Fifteenth Avenue, factory damaged by fire; loss, $3000; fully insured.

Pittsburg, Pa.—The Pittsburg Cycle Co., No. 430 Wood Street, damaged by fire; loss about $300.

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STERLING BELLS.



One Best THE Sterling.

Bells of all Description.
Send for Catalogue.

N. N. HILL BRASS CO.,
East Hampton, Conn.

Bells.



The belle of the ball on her escort leaned,
And so very happy the dear girl seemed,
That he took her aside to a cozy retreat
And told her the story that's always so sweet.



She perked up her lips, so enticing and fair,
And his own were reaching the heaven that's there,
When she said, "Dear boy, this is only a sell.
You'll first have to buy me that 'Climax' bell."

The new 1897 model "CLIMAX" Bell possesses without doubt the most improved Lock Clamp known. Can be adjusted to the Handle Bar quickly without removing the screw, thus saving all vexatious worriment in the operation, and at the same time presents a more attractive appearance than any other kind of an attachment.

We have just published a handsome little booklet to be carried in the vest pocket, containing lots of valuable information for the benefit of wheelmen. Send us a two-cent stamp and we will mail you a copy.

Climax Bell Co., 403 Washington St., Boston, Mass.

BICYCLES FOR Hardware Trade.

High Grade and Low Priced Wheels.
MEN'S, LADIES' and JUVENILES.

NEW MAIL, Highest Grade, $85.

Featherstone and other lines, Medium Priced Wheels, offered as the

Best Lines in Market for 1897.

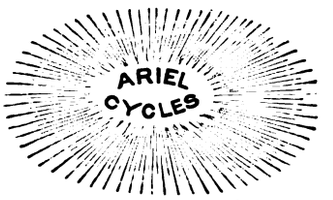
Surely get our quotations before placing your orders. Save you money!

Wm. Read & Sons, 107 WASHINGTON ST., BOSTON, MASS.

ESTABLISHED 1826.

If you have a class of trade to whom you must supply the **FINEST** remember with us . . .

Good Is Not Sufficient. It must be
Better than that. The
Best Only Suffices.



BEST material obtainable. BEST methods of construction.
BEST class of workmanship. BEST finish in the world.
BEST equipment. BEST prices, quality considered.

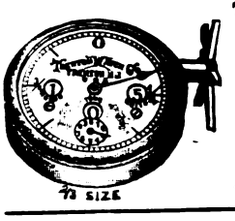
Others may say the same thing, but are they so apparent as in

America's Best Wheel,
The **ARIEL**

Write for Terms and Catalogue

ARIEL CYCLE MFG. CO.,
Goshen, Ind.

[Please mention "HARDWARE"]

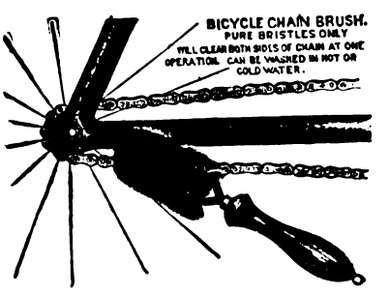


TRENTON CYCLOMETERS
Give better satisfaction in actual service than any other on the market. They are light, accurate and durable. Various models and prices; suit all requirements.

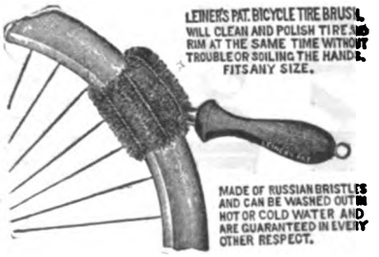
TRENTON CHRONOGRAPHS
or race timers are unequalled for the price. They give an instantaneous record down to 1-5 of a second, start, stop, and flyback working from the pendant. Ask your dealer for them. Price, $12.50.

TRENTON WATCH CO., Trenton, N. J.





PRICE 15 CENTS.



PRICE 25 CENTS.

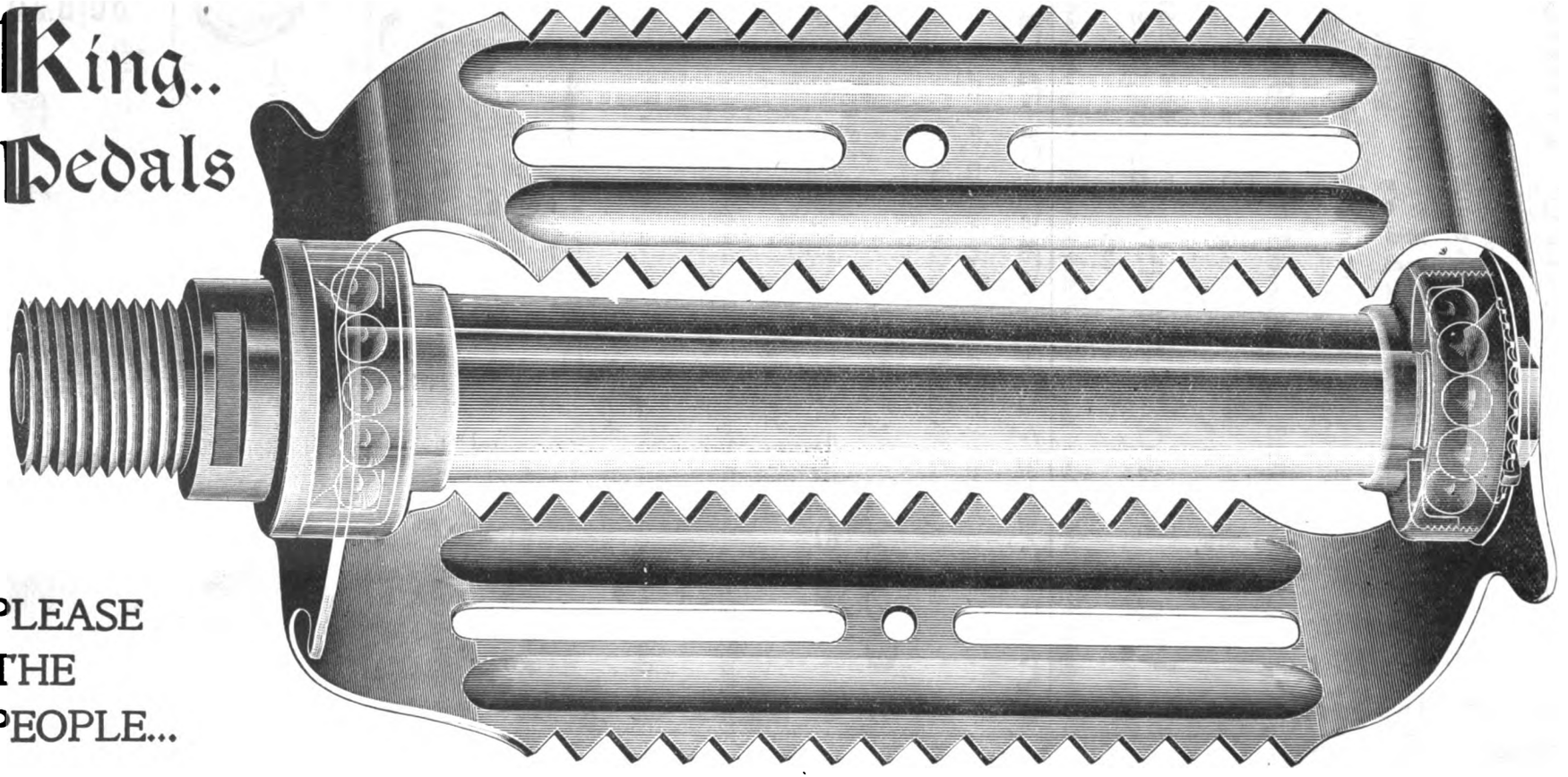
—Sent by mail upon receipt of price.—

Hall & Downing,
82 West Broadway,
NEW YORK.

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Specify KING PEDALS on your '97 wheels. Manufacturers will furnish them without extra charge if you insist upon it. Don't accept an inferior article.

King.. Pedals



PLEASE THE PEOPLE...

WE HAVE THEM IN STOCK.

PRINCIPLE SAME AS USED IN HUB BEARINGS.—OBSERVE THE CONSTRUCTION.

...The "King" Is the outgrowth of a number of years' experience in pedal manufacture. It has an endless steel band, made very strong and light, with the ball cups set into same and specially hardened. The adjustment which takes place in the outer end is very simple, and it is thoroughly protected from dirt by a dust-proof cap. The end next the crank has also a special dust-proof device. The special feature of this pedal is the large number of balls (fifteen) which are in the outer end, it having been found by experience that most of the strain of the pedal comes on the outer end. The rubbers, as will be seen, fit directly onto the rat-trap pedal, and are fastened securely by only one screw. This makes it very convenient, as the agent has at all times either a rubber or rat-trap pedal at the wish of his customer, by removing or adding the rubbers, which can be done in but a few seconds.

Guarantee.

We agree with the purchaser of each pair of "King" pedals to make good by repair or replacement, when delivered at our factory, transportation prepaid, any imperfection or defect in material or manufacture not caused by misuse or neglect; and that all imperfect or defective parts shall be referred to us before any claim or replacement shall be allowed. This guarantee continues for six months from the date of the sale by the agent.

THE A. L. MOORE COMPANY,

NEW YORK, 257 Broadway. | CLEVELAND, 121 Euclid Avenue. | CHICAGO, 204 Dearborn Street. | LONDON, 102 Fore Street.

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To Bicycle Riders.

WE MAKE OUR TUBE OF FIFTY CARBON STEEL

Because a Tube like this of our .50% CARBON STEEL Is just as strong as a Tube like this of .25% CARBON STEEL

While weight for weight in a Bicycle our FIFTY CARBON Steel will last so long [redacted]

and TWENTY-FIVE CARBON Steel will last only so long [redacted]

NOTE THE FULL IMPORT OF THE PARALLEL LINES.

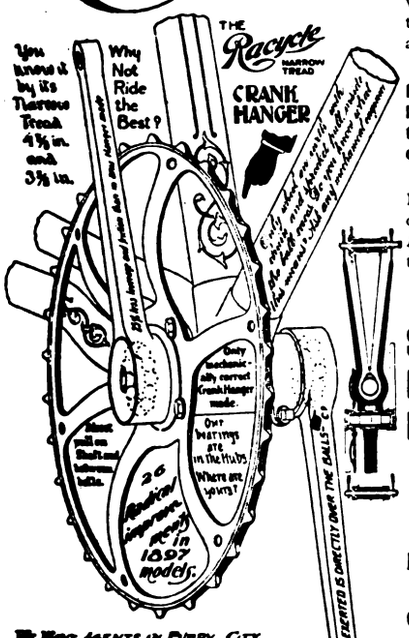
The comparison which they graphically make indicates the result of the prolonged investigations of the most practical experts of the world.

That the tests in our own laboratory corroborate these results is merely so much to its credit; that the same is true of actual trial on the road equally proves the trial to have been made in bicycles of correct design and construction. THE FACT REMAINS.

The margin of safety is greatly increased by the use of this tube. Every bicycle manufacturer should use it; every dealer should insist on having it; every rider should demand it. Send for catalogue.

THE POPE TUBE CO., Hartford, Conn.

THE Racycle NARROW TREAD



$1000.00 IN CASH

Will be paid to the first one who can demonstrate that the following assertion is not a fact:

The Racycle Crank Hanger has from 20 to 30 per cent. less pressure on its bearings than the Crank Hanger of any other Bicycle on the market.

All infringements barred. No bicycle considered without the consent of the maker. Address all communications to RACYCLE, Middletown, O.

Special Racycles, $100
Racycles, - $75
Bicycles, - - $50

SEND FOR CATALOGUE.

We Want Agents in Every City and Town in the Country.
CATALOGUES ON APPLICATION
Miami Cycle & Mfg. Co.
Middletown, Ohio

New York Agency, 108 Fulton St.
Chicago Agency, 323 Wabash Ave.
Wash., D. C., Agency, Thomas Circle.





Miami Cycle & Mfg. Co., Middletown, Ohio.

BICYCLES

. . . Manufactured by

Ames Mfg. Co.

HIGH AND MEDIUM GRADES,

$100, $85, $75, $60.

Send for Catalogue.

ADDRESS——

AMES MFG. CO., Chicopee, Mass.

THE "Norton"



An Air Check.

A Good Seller.

DOOR-CHECK and Spring.

WRITE FOR PRICES.

Address—— 505 SEARS BUILDING, BOSTON, MASS.

The Mutual Life Insurance Company,

OF NEW YORK.

RICHARD A. McCURDY, President.

Statement, ...

For the year ending December 31st, 1895.

Assets - - - - - -	$221,213,721.33
Liabilities - - - - - -	194,347,157.58
Surplus - - - - - -	$26,866,563.75
Total Income - - -	$48,597,430.51
Total Paid Policy-holders in 1895,	$23,126,728.45
Insurance and Annuities in force,	$899,074,453.78
Net Gain in 1895, - - -	$61,647,645.36

NOTE.—Insurance merely *written* is discarded from this Statement as wholly misleading, and only insurance actually issued and paid for in cash is included.

Paid to Policy-holders since organization, - $411,567,625.79

ROBERT A. GRANNISS, Vice-President.

WALTER R. GILLETTE, - - - - General Manager,
ISAAC F. LLOYD, - - - - - - 2d Vice President,
FREDERIC CROMWELL, - - - - - Treasurer,
EMORY McCLINTOCK, - - - - - Actuary.

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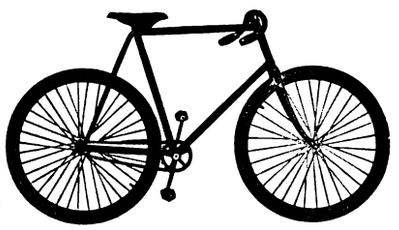
SAGER SADDLES.

Largest Variety, Largest Quantity, and Best Prices.

Regular leather saddles, padded hygienic saddles and pneumatic saddles.
Insist on SAGER'S and you will get the best. . . . . .

Sager Manufacturing Co.,

Most Extensive Saddle Works in the World. ROCHESTER, N. Y.



THE "SPARK" '97 MODEL

List, $60.

ONE WHEEL. Best Grade. ONE PRICE.

If you're IN LINE for a deal we promise to interest you. Address

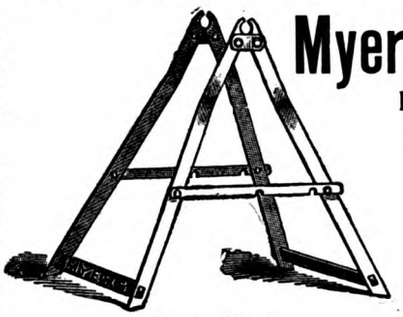
CANTON CYCLE MFG. CO.,
Canton, Ohio.

International Cycle Fittings Co.



EVERYTHING FOR A WHEEL.

70 & 72 READE ST., NEW YORK, U. S A.



Myer's Home Trainer.

Bicycle Stand, - Truing Gauge
—AND—
Home Trainer.

The very best, most complete and cheapest trainer. THE HIT at all Cycle Shows.

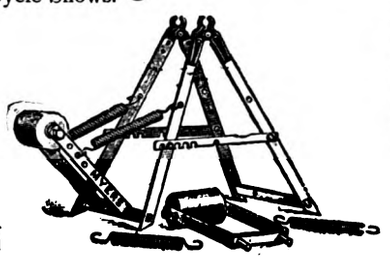
Bicycle Stand.

NO NOISE. RUNS EASY.

Weight, 4½ lbs. complete, made of Spring Steel. Carries a 350 lb. man.

A First Class Cleaning Stand.

Will fit any wheel front or rear. A Home Trainer superior to any. Enables the customer to try and adjust wheel in store before purchasing. . . . .



Home Trainer Attachment

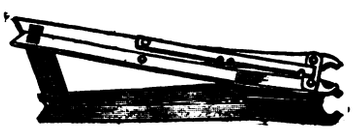


For Exercise or Training.

Truing Device Attachment.

Simplest and cheapest on the market.

Myer's Safety Bicycle Stand, $1.30 | per doz., $7.20.
Home Trainer Attachment, - 1.00 | " 6.00.
Truing Gauge. - - - 1.00 | " 9.00.



Stand Folds Up Like This.

OUR '97 CATALOGUE NOW READY.

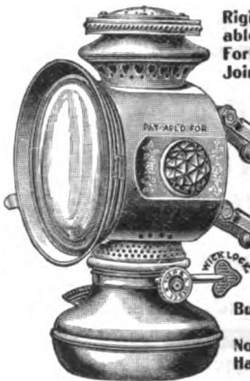
UNION BICYCLE SUPPLY CO.,

Wholesale Jobbers in all kinds of
BICYCLES, SUNDRIES and MATERIALS,
Cheapest Bicycle Supply House in America. 68 Murray St., New York.

THE BANNER

Is the Cycle Lamp for '97.

None as handsome, as practical, nor as thoroughly and honestly made. Throws a powerful, broad light, having **a 3-inch optical ground double convex lens.** No lamp so easily cleaned. Has removable top burner and reflector, removable and **reversible oil pot.** The only lamp made with a positive wick-locking device—it acts on the ratchet. Your dealer should have them; until he has will send, carriage paid, for **$3.00,** to any part of the United States.



Rigid Bracket, adjustable to either Post or Fork; Ball and Socket Joint, 50c. extra.
Absolutely Wind Proof.
Will not Jolt Out.
No Solder to Melt.
Fills on Outside Oil Fount.
Solid Brass, Heavily Nickeled.
Burns Kerosene in Packed Fount.
No Splashing.
Handsome Side Lights.

5½ INCHES HIGH.

New York. Boston. Chicago. **PLUME & ATWOOD MFG. CO.**
FACTORIES: Waterbury and Thomaston, Conn.

You are dead slow

If you do not place a dozen or more



23 Inches.
No. 2 or 6 Wheel Stand.
Price, $1.75.

Parker's Folding Bicycle Stands

in different places on prominent thoroughfares in your locality with your "ad." on top. . . .

FRED. HAWLEY,
40 Gold St., New York City.

YOUNG'S PATENT PORTABLE BICYCLE STAND



2 Wheel Stand.

Is the best of its type, made to hold one, three, five and seven Wheels. Its largest field of usefulness is on the sidewalks, public and private lawns, for the temporary rest of the Wheels. Merchants provide them for their Customers. Clubs for their Members. Factories for Employees. Schools for their Scholars. Parents for their Children, etc. Send for descriptive circular.

Partial Price List:

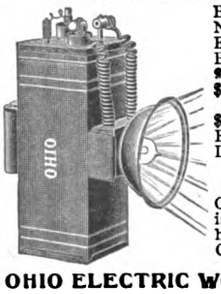
2 WHEEL STAND, $1.25 5 WHEEL STAND, $2.50
3 WHEEL STAND, $2.00 7 WHEEL STAND, $3.00

Liberal Discount to the Trade.

Lawn Cycle Stand Mfg. Co.,
Morristown, N. J.

WE UNDERSELL ALL.

It gives a Light that's White and Bright,
And two cents is the cost per night.



Bicycle Elec. Lights.	$4.00
Necktie Elec. Lights.	1.50
Edison Elec. Motors.	1.00
Battery Fan Motors.	5.00
$8 Medical Batteries.	3 95
$100 Bicycles, best make.....	39.00
$1.25 Bicycle Bells....	.50
Electric Bells, finest.	.30
Dry Batteries, best..	.25

Discount to Dealers.

Our Bicycle Electric Light is the best thing that ever happened. . . . .
Catalogues free.

OHIO ELECTRIC WORKS, CLEVELAND, O.

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Do you sell Bicycles?

Are you making money?

Are you in business "Just for fun?"

Are you only "holding your own?"

Don't you want to advance?




Why don't you sell a bicycle
that the public know is all right?

Monarch and Defiance Bicycles
are supremely good and the public know it.




Agents, build your success with a bicycle that has a good reputation.




Monarch Cycle Mfg. Co.,

Lake, Halsted and Fulton Sts.,

CHICAGO.

83 READE STREET, NEW YORK.

149 OXFORD STREET, LONDON.

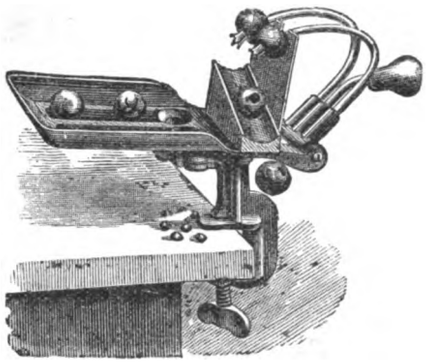
SMITH, PATTERSON & CO.,
52 Summer St., Boston, Mass.
Sole distributing agents for New England States except Connecticut.





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No other Cherry Stoner does it.



THE FAMILY

CHERRY STONER

Removes the stones from ripe cherries without wasting or mashing the fruit. . . .
Write to us for name of nearest wholesale house carrying stock. . . . . .

GOODELL COMPANY, - ANTRIM, N. H.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom,
96-98 Reade Street.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

-:-SEND FOR CATALOGUE.-:-

72 YEARS. ESTABLISHED 1825. 72 YEARS.

Celebrated **HEINISCH** Shears



ACKNOWLEDGED THE BEST

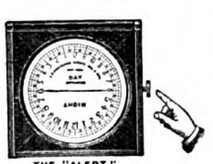
Tailors' Shears, Trimmers, Scissors,
Tinners' Snips, etc.

New York Office: **R. HEINISCH'S SONS CO.,**
90 Chambers Street. **NEWARK, N. J.**

Headquarters
FOR
ELECTRIC and PORTABLE
Watchman's Clocks.

Lowest Prices. Latest Improvements.
PATENTS 1888-1893.

Write for Price List and Card showing difference between N. Y. time and local time in all parts of the world



THE "ALERT."
This is a One (1) Station Watchman's Clock
Price, with 600 paper dials, complete, - $10

E. O. HAUSBURG, 41 Maiden Lane, New York.

FRANK W. GILBERT, Prest. O. C. EDWARDS, Treas.

Crescent Emery Mills Co.

MANUFACTURERS OF

EMERY & ABRASIVE MATERIALS.

EMERY WHEELS.
GRINDING MACHINERY.

OSCAWANA, N. Y.

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CATALOGUE FREE



GET OUR REDUCED PRICES



WELL TANK & SPRAY PUMPS

HAY CARRIERS, FORKS, PULLEYS &c.



F. E. MYERS & BRO.

FULGER CIR.

ASHLAND, OHIO.



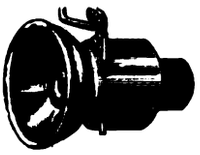
RESERVOIR PUNCH

For Euchre and Whist Parties.

This Pocket catches the pieces punched from Tally Cards, thus preventing a littering of the carpet.
Is hinged, can be opened, emptied and closed in an instant.
Of great value to Railroads as it prevents the replacing of pieces punched out of monthly or commutation tickets.
Also valuable in Restaurants where punch tickets are used.

PATENT APPLIED FOR.

F. J. MATTISON, PATENTEE,
50 Warren Street, N. Y., U. S. A.



OWEN WALSH, 117 Walker Street, New York City.

Speaking Tube Materials,
Gas Taper Torches.



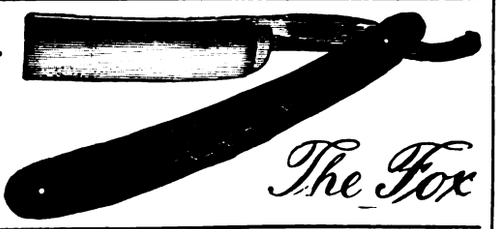
Write for Catalogue.

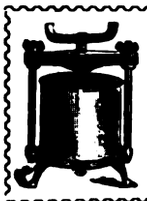
Fox Cutlery Co., 92 Reade St., New York City.

Manufacturers of the well-known . . . .

FOX RAZORS.

If your jobber does not keep them write to us. Our samples and prices will interest you.





BRIGHTON FRUIT PRESS

IS THE BEST.

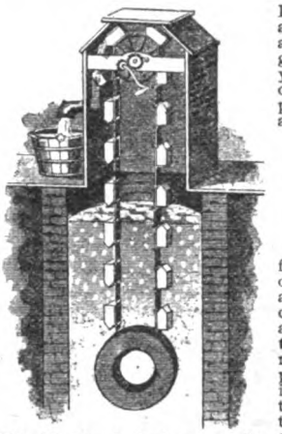
Strong and Substantial. Quick Acting.

TINNED ALL OVER.

LOGAN & STROBRIDGE IRON CO., New Brighton, Pa.



THE ONLY "PERFECTION" WATER ELEVATOR AND PURIFYING PUMP



Dealers, get in line and sell your trade an article you can guarantee for ten years. The chain or buckets is the principal factor in any elevator. The **Perfection Bucket** is cut by die in one piece of **Black Open Hearth Steel** folded together by double lap seams, and the entire chain **Galvanized** after **Construction.** Others are made of several pieces of galvanized iron soldered together. Simply this one feature is a sufficient guarantee that the **Perfection** has no equal. It is handled by all leading jobbers throughout the world. Call for the **Perfection.** Take no substitute.

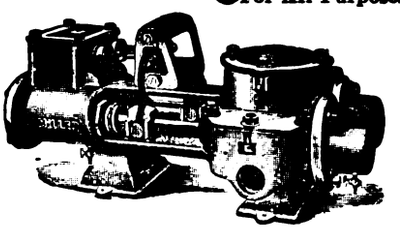
It is the simplest structure for raising water on the continent; guaranteed never to freeze. . .

For full particulars, circulars, etc., address the sole manufacturers.

St. Joseph Pump & Mfg. Co., St. Joseph, Mo., U. S. A.

The Miller Duplex Steam Pump

For All Purposes.



THE GILT EDGED PUMP OF THE WORLD.

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THE CANTON PUMP CO., CANTON, O., U. S. A.

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MANUFACTURERS OF ALL KINDS OF

FORCE LIFT SPRAY TANK PUMPS

SEND FOR CATALOGUE

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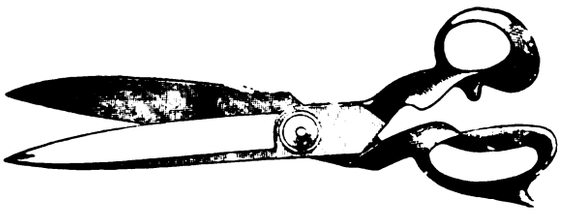
WEST TROY, N. Y.

Harness Snaps, Chain, Rope and Web Goods, &c.

For sale by Jobbers at Manfrs. prices.

WHEN YOU WANT THE

Best Quality and Finest Finish



SHEARS, SCISSORS & TINNERS' SNIPS

YOU SHOULD HANDLE THOSE MADE BY

J. WISS & SONS, NEWARK, N. J.

We make the Largest line of

Tailor Shears, Trimmers, Barber Shears, Bankers', &c.

WE make a specialty of High Grade Shears suitable for Mill and Factory use. No mechanic can afford to use poor tools. Ours are the **BEST** in the line, consequently the cheapest. . .

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SUPERIOR QUALITY

CAST STEEL TOOLS

WESTPORT CONN.

BUSH HOOKS, DRAWING KNIVES, TURPENTINE TOOLS, SHIP CARPENTERS' TOOLS,

&c., &c., &c.

Goods carried in stock in New York for prompt shipments

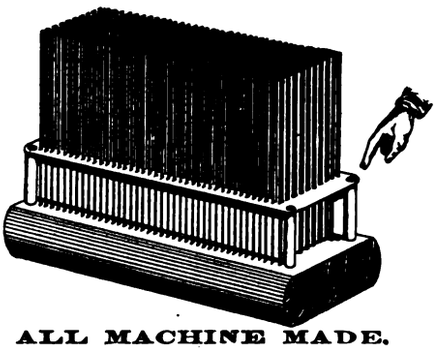
Underhill, Clinch & Co.,

—SELLING AGENTS,—

94 CHAMBERS STREET, NEW YORK.

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ALL MACHINE MADE.

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THIS STRUCTURE? WHAT'S IT FOR?

Well, it gives surprising durability!

Our goods are Guaranteed unsurpassed in Durability, Workmanship, Material.

Their elegance attracts the eye at once.

. . . *FOR FOUNDRIES, PAINTERS, ROOFERS, ETC.* . . .

SATISFACTION GUARANTEED OR MONEY BACK.

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Mention "HARDWARE." NEW ORLEANS LA.

ESTABLISHED 1868

HAYES SKYLIGHTS (METALLIC) LATHING &c

71-8TH AVE. NEW YORK.

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BRUCE & COOK,

TIN PLATES AND METALS,

186, 188 and 190 Water St., 248 and 250 Pearl St. **NEW YORK.**

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears

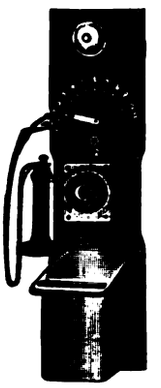


Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
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TELEPHONES

For Your . . .

Factories, Stores, Offices and Exchanges.



We make the BEST

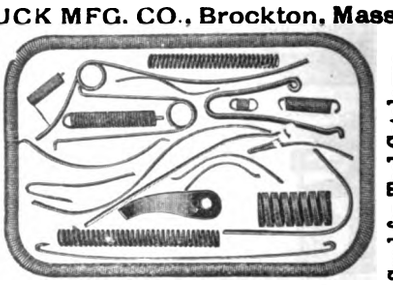
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The Union Electric Co.,

15 High St., Cleveland, O.

TUCK MFG. CO., Brockton, Mass.

Springs, Tools & Cutlery.



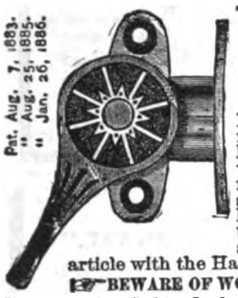
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Tempered Springs of all kinds.

"With Gratifying Results"

New York Belting & Packing Co., Ltd, New York. [*Belting, Garden Hose, Water Hose, Steam Hose, Packing and Rubber Specialties*]: We have been carrying quite a prominent advertisement in HARDWARE with gratifying results. That we expect to continue this advertisement is the best evidence we can give of our regard for it as an excellent medium.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

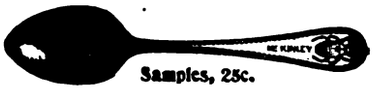
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The Champion Safety Lock Co., Cleveland, O.

KNIVES, FORKS, SPOONS,

Bicycle Pedals, Nut Cracks, Picks in Solid Nevada Silver or Nickel, or Plated on Steel, and Gold Aluminum Ware, Peppers, Salts and Napkin Rings. Tin Plated Goods. . . . .

AT LOWEST PRICES.



Samples, 25c.

SEND FOR SPECIAL DISCOUNTS.

THE UPSON & HART CO.,
UNIONVILLE, CONN.



ELECTION OVER. BUSINESS BOOMING.

A WARNING:

Send in your orders at once for the . . . . . .



We'll take them as they come — first come, first served—and we'd advise you to be one of the first.

New, smart designs now ready in this

Unrivaled Brand of Silver Plated Ware.

FACTORIES:
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MADE ONLY BY US.

WM. ROGERS MFG. CO.,

Market Street, - - HARTFORD, CONN.

BEST OF THE BEST in SPOONS and FORKS

is made by

HOLMES & EDWARDS

Silver Plated. Solid Metal.

Send for Circulars.

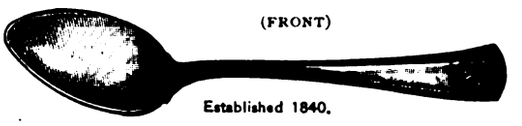
The Holmes & Edwards Silver Co. Bridgeport, Conn.
New York Salesroom. 2 Maiden Lane.

Highest Grade of

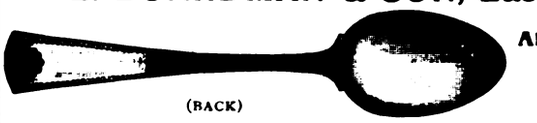
Silver Plated Ware

In Spoons, Forks, Etc.

Manufactured by



L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons

Write for Catalogue and Prices.

CORPORATE MARK,



JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States.

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of the following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.

Well Worth It.

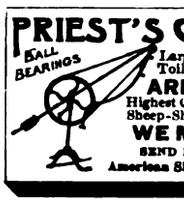
I. B. Bolles, Wareham, Mass. [*Hardware and Farming tools*]: Enclosed find check for $1 for HARDWARE for the year 1897. We think it is well worth it. . . . .

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JOHNSTON'S LIQUID GLUE FOR ALL USES. 1 oz. bottles per gro. $5.00. 2 oz. bottles per gro. $8.00.

OVAL, BEVELED, TRILATERAL, HEXAGON. JOHNSTON'S IMPERIAL CARPENTERS' PENCILS. —HIGH GRADE.— Price per gro. $5.00. J. D. JOHNSTON, Newport, R. I.

PRIEST'S CLIPPERS



Largest Variety, Toilet, Hand, Electric Power

ARE THE BEST.

Highest Quality Grooming and Sheep-Shearing Machines.

WE MAKE THEM.

SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., USA



Star Lathes ★ Foot power Screw cutting Automatic Cross feed

9 and 11-inch Swing.

—New and Original Features.—

Send for Catalogue B.

SENECA FALLS MFG. COMPANY, 334 Water St., Seneca Falls, N.Y.

TURNBUCKLES.



MERRILL BROS., 466 Kent Avenue, Brooklyn, E. D., N. Y.

If you would use only the best use Barnes National Writing Ink and Mucilage.

BARNES NATL. INK CO., NEW YORK & PHILADELPHIA.

. . . HEARTILY RECOMMEND "HARDWARE."

E. T. Barnum, Detroit, Mich. [*Wire Goods*]: We heartily recommend HARDWARE to those desirous of reaching the largest number of dealers.

Hardwaremen's Exchange.

Notices of ***HELP WANTED*** *or* ***SITUATIONS WANTED*** *will be inserted in this column free of charge. Should not exceed Four Lines.*

ALL OTHER NOTICES, *twenty-five cents per line.*

Help Wanted.

A FACTORY superintendent wanted. Address HITCHCOCK LAMP Co., Watertown, N. Y.

WANTED bookkeeper and stenographer. One with experience in Hardware preferred. State age, experience and wages wanted. Address CARLTON HARDWARE Co., Calumet, Mich.

WANTED—A traveling salesman, who is thoroughly familiar with gas and oil stoves. To one who is thoroughly competent, a splendid opportunity.

Address PRIMUS COOKING & HEATING APPARATUS Co., No. 197 Fulton Street, New York.

RESIDENT agents wanted in all parts of the country to handle fastest selling and best paying Hardware specialty on the market. Address with references, stating territory desired, etc., MANUFACTURER, care HARDWARE, No. 143 Chambers Street, New York City.

SALESMAN wanted to sell Hardware and notion specialties to the trade on commission. A splendid line of good sellers. Address, giving references, experience and territory, GIBBS MFG CO., Canton, Ohio.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

A MIDDLE-AGED man of an extensive acquaintance in Eastern North Carolina wishes a position as a traveling salesman of Hardware; can command a good trade. Address L. R. LAND, Norfolk, Va.

A TRAVELING salesman with seven years experience in builders and general Hardware; can furnish A1 references as regards ability and integrity. Address A. P. H., care HARDWARE, No. 143 Chambers Street, New York.

DIE-MAKER—Position wanted. A1 practical die and tool maker, well up in all latest improved dies and tools for novelty or general Hardware, Dies for Blanking, Drawing, Stamping, Forging, Piercing, etc., for all sheet metals as Brass, Iron, Steel, Aluminum, etc., well up in modern shop methods to increase production; can design and develop ideas; have had ten years' experience in best shops of Massachusetts and Connecticut. Can accept first week in May. Best of references as to ability and character. Address DIE MAKER, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Situation as house or traveling salesman with Hardware or bicycle house. Fifteen years in retail Hardware and six with bicycles. Also have traveled a little. Can give best of reference. Address L. B. 84, Castile, N. Y.

WANTED—Thoroughly experienced bookkeeper, correspondent or office man desires position with responsible wholesale or retail firm. Address J. G. R., box No. 533, Lake Mills, Ia.

WANTED—By young man a position in wholesale or retail Hardware store, inside or outside. Have had six years' experience; can give all references; speak German and English. Address RELIABLE, care of HARDWARE, 143 Chambers Street, New York.

YOUNG man, 21, over six years' experience in offices of large Hardware concerns. Best references. Good writer and figurer. Ambitious. Address A. B. H., No. 41 East 106th Street, New York City.

YOUNG man (28) practically experienced in manufacturing and selling metal ware, moderately familiar with important European languages, wants position with concern intending development of foreign trade. Willing and able to do any other work in addition when desired. A. M. ENERGETIC, care HARDWARE, No. 143 Chambers Street, New York.

WANTED position with wholesale Hardware house, or stove manufacturer, as traveling salesman, or grocery house. Have had experience, especially on the road. Best of references furnished. Address M. U. N., care HARDWARE, No. 143 Chambers Street, New York.

AS clerk or bookkeeper in general retail Hardware store; seven years experience. Address SEELEY, No. 302 Pine Street, Towanda, Pa.

SALESMAN well known to the retail Hardware trade of Philadelphia, would like a position to represent either a New York jobbing house or Eastern manufacturing. Address E. A. W., care W. J. Lockhart, No. 235 North Ninth Street, Philadelphia, Pa.

WANTED—By experienced Hardwareman, aged 24, a position as indoor salesman. First-class reference. Active, energetic and industrious. W. T. CLARK, No. 354 Giddings Avenue, Cleveland, Ohio.

TINMAN.—Situation wanted by a tinman as manager of tinning or coating department of tin mill; good references. Address TIN, care HARDWARE, No. 143 Chambers Street, New York.

SITUATION in general wholesale Hardware store wanted; am 26 years old, will go any place; have had 6 years' experience, and can give best of references; am not afraid to work. E. W. Parkinson, Lock Box 54, Moundsville, W. Va.

A YOUNG man, 30, experienced in Hardware business and acquainted with large trade East, is open for position on the road. Highest reference. Address C. B. LOWBER, No. 2233 Norris Street, Philadelphia, Pa.

POSITION wanted as house or road salesman in wholesale Hardware and cutlery house. New York, Pennsylvania or New Jersey preferred. Twenty years' experience; last eight years on road. J. H., care General delivery, Newark, Ohio.

POSITION wanted. Young man, 26; ten years' experience in Hardware (three years as proprietor), desires position where energy and push will be appreciated; can keep books; speaks and writes German; highest references. Address G. J. M., No 1420 Poplar Street, Philadelphia, Pa.

WANTED by a practical metal pattern maker. First class on ornamental work, and a good chaser. An expert on cored work. Nine years' experience as foreman, and competent to design and make dies, tools, jigs, etc.; to manufacture specialties in the most economical manner. Reference. Address MECHANIC, care of J. W. Leix, No. 717 Clinton Street, Ottawa, Ill.

THOROUGHLY experienced bookkeeper, correspondent or office man desires position with responsible firm. Best of references. Address J. C. H., P.O. Box 261, Rochester, N. Y.

A COMPETENT clerk or salesman; ten years' experience; age, 26 years. Can speak German. Address L. SCHOEN, No. 16 Fourth Avenue, New York City.

EXPANSION BOLTS



For fastening all kinds of structure to brick and stone work

Patentee and M'f'r, ISAAC CHURCH, Toledo, Ohio.

Send for Catalogue B.

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Situations Wanted.

POSITION as foreman in a room. Understands how to handle help to the best advantage. Have had experience in hydraulic press work. Thoroughly understands steam, water and hydraulic pump fitting. Address FOREMAN, care HARDWARE, No. 143 Chambers Street, New York.

A TRAVELING salesman with nine years' experience in builders' and general Hardware, desires a position in a wholesale house. Is willing to travel, having traveled through Pennsylvania. Is 28 years old and strictly temperate. References. Address CHARLES JONES, General Delivery Post-office, Philadelphia, Pa.

A MAN of long experiense in the Hardware business desires a position with a manufacturing concern, preferably builders' Hardware; has held position of responsibility and in managerial capacity. Address B. H., care HARDWARE, No 143 Chambers Street, New York.

WANTED position with manufacturing concern or store, where I could keep books, run typewriter if necessary, and learn the business with hopes of promotion. Had four years' experience in the anti-rattler business. Would go to any part of the country. Age, 24. Address J. E. H., Box No. 356, North East, Pa.

PUMPS—Situation wanted by traveling man, aged 24, at present engaged by prominent pump manufacturing house. Seven years with present concern and four years as a traveler. Good hustler and trade. A1 references. Address C. J. E., care HARDWARE, No. 143 Chambers Street, New York.

SALESMAN, fifteen years on road, cutlery and Hardware, wants situation. New York and Philadelphia references. Address TRAVELER, No. 2444 Natona Street, Philadelphia, Pa.

POSITION wanted.—A salesman well known among the Hardware export, housefurnishing and department store trade is open for engagement. Address H, care of HARDWARE, No. 143 Chambers Street, New York

WANTED a position as stenographer by a lady who has had over five years' experience with a large Hardware jobbing house. Best of references given and required. Address F. E. W., No. 723 Church Street, Lynchburg, Va.

AN A-1 metal pattern maker, experienced in various lines, desires situation. Address PATTERN, care HARDWARE, No. 143 Chambers Street, New York City.

SITUATION wanted.—A practical Hardwareman; been four years with a first-class house as price and discount clerk; a rapid and accurate figurer; a hard worker; references first class. Address DISCOUNT, care HARDWARE, No 143 Chambers Street, New York City.

WANTED—BY young man 29 years of age; has had ten years' experience in wholesale builders' and general Hardware, in or outside position with wholesale or extensive retail store. Address RUSSELL, care HARDWARE, No. 143 Chambers Street, New York.

A GENTLEMAN of good business capacity with executive ability, twenty years in general Hardware, desires a position with some wholesale or manufacturing concern; competent as salesman, buyer or manager; fully acquainted with office duties, the details of a large business, and accustomed to handling help. Willing to go anywhere. Satisfactory references. Address F. A. G., P.O. Box 247, New York.

YOUNG MAN of 23, with six years' experience in Hardware business (Chicago), would like position in tool or builders' Hardware line, latter preferred; best of references. Address C. S., care HARDWARE, No. 143 Chambers Street, New York City.

Side Line Wanted.

WANTED—To represent manufacturers of Hardware and woodenware specialties by a man visiting every wholesale Hardware and woodenware house between New York and the Missouri, on salary or commission. Address 2030 Franklin, care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman wishes one or more good side lines for the New England States. Will start about the 10th of March. Trade visited: Hardware, Harness and Carriage repositories, Clothing stores. A1 references. Address MONITOR, No. 402 Bronson Avenue, Rochester, N. Y.

A WELL-KNOWN firm, representing several factories as New York office, wishes to add at least three good lines either on commission or salary. Address MANUFACTURERS' AGENT, care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN calling on the Hardware and drug trade can learn of a profitable side line by addressing F. O. X., care HARDWARE, No. 143 Chambers Street, New York.

WANTED.—Side line, by salesman calling on the Hardware trade. Address M. A. N., care of HARDWARE, No. 143 Chambers Street, New York.

PAINTS, VARNISHES, ETC—Situation to sell to the retail trade of Northern Ohio. Address A. L. S., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

SALESMEN wanted visiting the Hardware trade, to sell a high grade metal polish. Good inducements. Address CROSS, care T. J. Nay & Co., Nos. 18 and 20 Franklin Street, Brooklyn, N. Y.

WANTED—Salesman who goes to the retail Hardware trade through Middle and Southern States, to sell the Akron Spirit Level. Address AKRON LEVEL WORKS, Akron, Ohio.

PARKER'S Folding Bicycle Stand—a good seller and profitable. Address F. HAWLEY, No. 40 Gold Street, New York.

SALESMAN—To sell on commission for the manufacturer as a side line, wrought iron hay racks and stall guards; liberal commission; state references and territory. Address C R.. care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—Resident agents in all cities outside New England to handle a new household device of sterling merit, that sells at sight when shown in practical operation; large profit. CLIMAX MFG. CO., No. 235 Washington Street, Boston, Mass.

Tools Wanted.

COMPLETE set of new or second-hand Tinners' Tools wanted, Stowe's make preferred; must be cheap. Address J. S. RIDENOUR, Jackson, Ohio.

Store Wanted.

TO BUY—Wanted a Hardware store. Address E. I. P., care A. Seelig, No. 10 Second Avenue, New York.

For Sale.

A CLEAN stock of Hardware and stoves in county seat of best agricultural county in Ohio. Established business. Must give attention to other interests. Address "NORTH," care HARDWARE, No. 143 Chambers Street, New York.

HARDWARE store for sale; stock all new within three years. Only eight miles from Boston, Mass.; 6000 inhabitants; only one other store of the kind in town; $2000 stock. Will sell at a discount having other business. Address B. A., care HARDWARE, No. 143 Chambers Street, New York.

AN old reliable and profitable Hardware business, in one of the best county seats in Ohio; new, clean stock; good reasons for selling. Address, immediately, "OLD RELIABLE," care of HARDWARE, No. 143 Chambers Street, New York.

Attention! Hardware Dealers!

WANTED—Hardware dealers who handle bicycles to write us for particulars regarding Norwood Bicycles. HALL & DOWNING, No. 82 West Broadway, New York.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Agency Wanted.

A MAN of fine experience in miscellaneous Hardware, tinware and housefurnishing goods (is now employed), desires to make changes. Wants to represent best houses. Prefers those who seek all available dealers and make prices "F.O.B. destination." Large trade acquaintance in North and South Carolina. Address STRICTLY COMMISSION, care Carrier No. 7, Charleston, S. C.

A MAN of twenty years' experience in the Hardware business wants to act as direct representative in New York and New England for a few first class manufacturers on salary or commission, presenting such lines to the export and large Hardware trade in that territory. Address D. R., care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a young man with thirteen years experience, to represent some Horse Shoe or Horse-Shoe Nail Manufacturer or Manufacturers' Agent; can furnish best of reference. Address EXPERIENCE, care HARDWARE, No. 143 Chambers Street, New York.

AMERICAN, 29 years old, experienced in business and a salesman, offers his services in Boston and New England on commission basis to manufacturers producing salable line of goods, and in such a thorough representation will be assured. Address H. C. D., care HARDWARE, No. 143 Chambers Street, New York City.

AGENCY WANTED—To represent in New York one or more manufacturers for the domestic and export trade; well acquainted with export commission houses. R. B. Thomas, No. 114 Nassau Street, Room 208, New York City.

Rubber Agency Offered.

MINERALIZED RUBBER CO., No. 18 Cliff Street, New York. Mineralized Rubber Hose (especially Garden), Belting, etc., is better and cheaper than vulcanized. Samples free. Agents wanted.

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WRITE FOR QUOTATIONS



GET OUR PRICES BEFORE ORDERING.

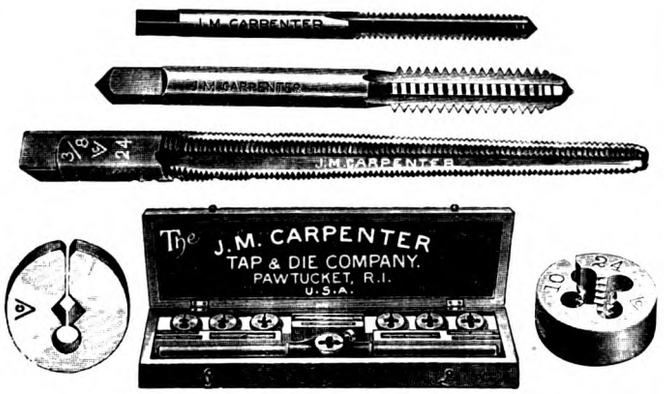
Mention "Hardware."



THE GEO. W. STANLEY CO.,
BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails, Double-Pointed Tacks and Staples.

THE WATERBURY
FARREL FOUNDRY
AND MACHINE CO
WATERBURY, CONN. U.S.A.

We have selected a few cuts from our Pamphlet of Miniature Illustrations, and have classified them in a series of small circulars, viz.:
No. 1. Rolling Mill Machinery for sheet metal.
No. 2. Tube and Wire Mill Machinery.
No. 3. Silverware and Coining Machinery.
No. 4. Hardware and Brass Goods Machinery.
No. 5. Bicycle Machinery.
If you are a manufacturer of sheet metal articles you are naturally interested in new machinery, and it will cost you only a two cent stamp to request us to forward any of th above circulars.



Send for our **CATALOGUE No. 11 B,** describing
SCREW CUTTING TOOLS
FOR
BICYCLE REPAIR WORK.



LACLEDE & HERCULES BATTERIES

For Door Bells, Telephones, and Annunciators.

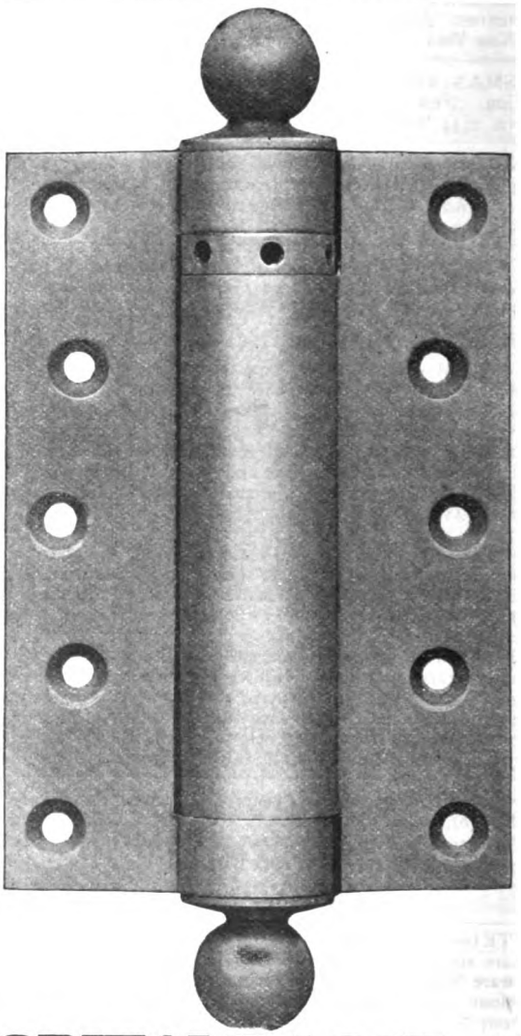
WARRANTED stronger and longer lived than any other Sal-Amoniac Battery made. . . . . .

MADE ONLY BY

PERU ELECTRIC MFG. CO.,
PERU, IND

ALSO MAKERS OF
ELECTRICAL PORCELAIN
OF ALL KINDS.

Send for Catalogue.



NORWALK LOCK CO.,
Manufacturers of
Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.
—SALESROOMS:—
Underhill, Clinch & Co., New York, 94 Chambers St
New York, 82 Chambers St. Boston, 200 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)

"USEFUL AS AN ADVERTISING MEDIUM."

Smith & Egge Mfg. Co., Bridgeport, Conn. [*Traps, Locks, Chains, Pulleys, etc.*]: We have found your paper very useful as an advertising medium.

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PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—

House Carpenters..... } 40&12½%
Ship Carpenters..... }
Railroad. ..... }

Ammunition—

CAPS, PERCUSSION—₱ 1000—
M. C. Co. and Hicks, trimmed edge.....47 @ 50c
U. M. C. Co. and Hicks ground edge.....47 @ 50c
Musket, Waterproof, 1-10's..45 @ 50c
G. D.....28 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting.....15&5&2%
Blank Cartridges, except 28 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 28 cal.....$1.75 2%
Blank Cartridges, 32 cal.. ...$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.10@1.15
B.B. Caps, Con. Ball, Swgd $1.75@1.80

PRIMERS—
Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&5&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&5&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.. .....65&2%

SHELLS, LOADED—
With Black Powder...40&10&10&5%
With Nitro Powd'r.40&10&10&10&5%

GUN WADS—₱ 1000—
{ A.E., 11 up.60c..B.E., 9&10...70c / A.E., 8.....80c..B.E., 7.....80c } 25%
{ P.E., 11 up.1.00..P.E., 9&10..$1.25 / P.E., 8....1.50..P.E., 7.....1.50 } 25%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₱ bag.....$1.25
Drop Shot, sizes smaller than B, 5-lb bags, ₱ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₱ bag.....$1.50
Drop Shot, B and larger sizes, 5-lb bags, ₱ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₱ bag.....$1.10
Buck and Chilled Shot, 5-lb bags, ₱ bag.....$ .25
Dust Shot, 25-lb bags, ₱ bag....$2.00
Dust Shot, 5-lb bags, ₱ bag....$ .50
Jobbers frequently deduct 5@10 cents ₱ bag.

POWDER—
Laflin & Rand:
Orange Rifle ex., kegs 25 lb $4.00
12½ lb 2.25
6¼ lb 1.25
Orange, Special, kegs 25 lb 5.00
12½ lb 2.75
6¼ lb 1.50
Orange Ducking, kegs ..6¼ lb 2 25
(For 1000 lb lots 10% discount.)
Blasting and Mining, A..25 lb 2.25
Blasting and Mining, B. 25 lb 1.50
Laflin & Rand W.-A. Smokeless:
Sing e Canisters.....$1.00
10 Can Drums.....$9.00
Discounts on application.

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .35
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .13

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb.... 1.85
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 4.00
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.25
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 4.00
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 2.25
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.25
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 5.00
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.75
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.50
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50
Du Pont Sporting Powder, for lots 1000 lb 10% discount:
Du Pont Smokeless Powder:
Kegs, equal in bulk, to 25 lb Black Powder.....$22.00
Half Kegs, equal in bulk to 12½ lb Black Powder..... 11.25
Quarter Kegs, equal in bulk to 6¼ lb Black Powder..... 5.75
Canisters, equal in bulk to 1 lb Black Powder..... 1.00
Discounts on application.

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

TARGETS AND TRAPS, INANIMATE—
Cleveland Target Co.:
Blue Rocks ₱ 100 ....$5.50
Expert Traps, each. $5.50
Extension Traps, each.....$4.00

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....₱ doz. $3.80
Galien Safety.. .....₱ doz. $3.75
Hartman's Pivot.....₱ doz. $4.75
Iowa Farming Tool Co.:
Hawkeye.....₱ doz $3.25
Western.....₱ doz. $3.75

Anvils—

American "Horse-Shoe"...9¼@9¾c
Armitage's Mouse Hole.....8¾@9¼c
Eagle Anvils, ₱ lb 9c.....15@15&5%
Hay-Budden, Wrought.... 8¾@8¾c
Peter Wright's.....9¾@10¼c
Samson..... .....8¼@9c
Trenton.....8¾@9c

ANVIL AND VISE COMBINED—
Cheney Anvil and Vise.....40%
Holt's.....40@40&10%
Millers Falls (with drill) $18.00..20%

Augers and Bits—

Boring Machine.....70&10%
Cincinnati Tool Co.:
Bell hangers' bit.....40%
Brace twist drills for metals. 50&5@50&10%
Brace twist drills for wood. 40&5@40&10%
Screw and plug.. ....25&10&10%
Cleveland Wood Bits for Brace, Style A, No. 114.....60&5%
Common.....7 @70&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Forstner Pat. Bits.....25%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
Nibles Double Spur, No. 32.70&1 %
No. 10 Extension Lip.....40%
No. 14 Extension Lip pattern car bit.....40%
Pat. Car Bits, No. 10.....40%
Pat. Car Bits No. 3".....60%
Ring Augers..... .....70&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Russell Jennings' Augers and Bits, 25&10&2½%

HOLLOW AUGERS—
Bonney's Adjustable, No 4, $ 4.00, 20%
Cincinnati Adjustable.....25&10%
Cincinnati Standard.....25&10%
Douglass'..... .....33⅓@33⅓&10%
Ives.....33⅓@33⅓&10%
Millers Falls, Goodell....15&7½&10%
Universal, each $4.50.....20%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Cincinnati.....35&10&10%
Clark's small, $18.00.....45%
Clarks' Large, $36.00 .....45%
Ives' Model, ₱ doz. $60 ...50@50&10%
Steer's No. 1, $26; 2, $18.....40%
Stearns' No. 2. $48.....20%
Swan's.....40@40&10%

GIMLET BITS—
Diamond ₱ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 50&10%
Double Cut, Common, ₱ gro. $3.75 @$3 25
Double Cut, Douglass'....40&10@50%
Double Cut, Ladds'.....70%
C. E. Jenning & Co.:
Double Cut.....70%
German.....50%

BIT STOCK DRILLS—
Cincinnati Tool Co., for wood 40@ 40&10%
Cleveland Wood Bits for Brace 50&5%
Syracuse, for wood.....40%

TWIST DRILLS—
Cleveland.....60&5@60&10%
Morse Twist Drills.....60&5@60&10%
New Process.....60&5@60&10%
Standard .....60& @60&10%
Syracuse.....60&10@60&10&10%

SHIP AUGERS AND BITS—
L'Hommedieu's.....15&10%
Snell's .....40@40&10%
Watrous'.....40%

Awls—

Dunlap's Brad.....25%
Dunlap's Handled.....25%
Handled Brad, ₱ gr.....$3 00@$3.25
H'ld Scratch ₱ gr.....$3.75@$4.00
Pat. Peg ₱ gr.....35@35c
Sewing, Com....₱ gro. 85c@$1.00
Should. Peg ₱ gr.....$1.35@$1.45
Shouldered Brad. ₱ gr...$1.50@$1 65
Pocket Scratch ₱ doz. ..$1.0 @$1.10
Stanley Rule & Level Handled Brad..... .....40&10%
Patent Pegging.... .....50&10%

Awl and Tool Sets—

Aiken's Awls and Tools:
No. 10 ₱ doz. $7.50; No. 20, ₱ doz. $10.....60&10@60&10&5%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Ice Awls.....55%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $13; 4, $13; 5, $18.. 15@15&10%
C. E. Jennings & Co.'s Adjustable Tool Handle, No. 10, $3.00; 45, $4.50; 65, $6 00; 75, $9.00; 175 $10.00 ₱ dozen net

Axes—

First quality, best brands. $5 00@5 25
First quality, other " $4.50@4.75
Beveled add 50c ₱ doz.

AXES, HANDLED—
Peck's:
Champion Blade...per doz., $12.00
Empire.....per doz., $9.00
Firemans'.....per doz., $25.00

HATCHETS—
Collins..... 10%
Find'ay Axe & Tool Co...50@50&10%
Hunt's, Underhill's or Blood's... 50@50&10%
Peck's:
Champion Blade.....4½%
Empire Brand.....5 & 10%
Fayette R. Plumb:
Broad, New List.....40&12½%
Lathing..... 0%
Shingling.....5%
Warehouse.....40&12½%
Vulcan Tool Co.....60%

Balances—

Chatillon's:
No. 2000 20 30
₱ doz. 75c 85c $1.55 net
Circular Balances 60%
Straight Balances.....50%
Circular Spring Balances.50&10@5%
Common 24 lb. .....₱ doz. 80c net.
Ice.....50&10%
Straight Spring balances.50&10@5%

Barrel Drainers—

National.....3 %

Beef Shavers—

Enterprise:
Japanned, each, $6.50.....35%
Tinned, each, $7.50.....20%

Bells—

HAND—
Extra Heavy Brass.....65&10%
Light Brass.....70&10%
Globe (Cone's Patent).....40%
Silver Chime.....40%
White Metal.....65&10%

DOOR—
Crank, Cone's.....10%
Gong, Abbe's..... 40@40&10%
Gong, Barton's .....40&10@50%
Gong, Yankee. ..... 55&10%
Lever, R. & E. Mfg. Co.'s.60@60&10%
Multi-Stroke.....50%
New Departure.....45@50%

COW—
Common Wrought.....60&10%
Dodge, Genuine Kentucky 70@70&10%
Kentucky, Sargent's List.....75%
Texas Star.....50&10%
Western, Sargent's list.....75%

Bellows—

Blacksmith's.....70@70&10%
Hand.....50&5@50&10&5%
Moulders.....50&5@50&10&5%

Belting, Rubber—

Boston Belting Co.:
"Boston".....50&10&5%
"Imperial," seamless, stitched 40&10%
Cleveland Rubber Co.:
Buckeye.....60&10%
Shield High Grade.....50&10%
War. 2 XL.....40%
Common Standard.75&10@75&10&5%
Extra.....60&10&5@70%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Standard.....70&10@75%

Bench Stops—

Cincinnati.....25&10%
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₱ doz. $6. 10@10&10%
Terrell's No. 1 and 2, $3; No. 3, $3.00 ₱ doz.....20%
Millers Falls.....15&10%

Bit Holders—

Angular.....40&5%
Extension:
Barber's, ₱ doz. $15.00.....45%
Ives' ₱ doz. $20.00.50&10@50&10&5%

Blind Adjusters—

Domestic..₱ doz. $2..33⅓@33⅓&10%
Excelsior..₱ doz. $10.00....50&10&2%
North's.....10%
Zimmerman's.....50&10@50&10&10%

Blind Fastenings and Tenons—

Austin & Eddy ₱ gro. sets.....$5.50
Gorhams Improved Star Tenon ₱ gro. $1.00.....25%
Merriman's Brass Lever ₱ gr. $15.00
Merriman's Iron Lever ₱ gr...$9.00
Millers Falls ₱ set $1.00.....15&10%
Security Gravity ₱ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₱ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel 60&10@70%
Com. Jap'd Sheaves...70&5@70&10%
Lanes:
Junior, Self Sustaining..... ..30%
Pat. Automatic.....35%
Perfect Safety. 30%

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Regular Iron Strapped Blocks 70&5@70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c.....70%
Cast Iron Chain.....50&10%
Cast Iron Shutter Bolts.....70%
Ives' Patent Door Bolts...60&10&5@60&10&10%
Wrought Barrel.....75@75&10%
Wrought Square..70&10@70&10&10%
Wr't Shutter, Standard list.....70%
Wr't Shutter, Sargent's list....70%
Wr't Sunk Flush, Sargent's list. 50&10@50&10&10%
Wr't Sunk Flush, Stanley's list 50&10@5. &10&5%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&5%
Window Spring.....75%
Window Spring Bolt Socket.....70%

CARRIAGE, MACHINE, &C.—

Bolt Ends.....80@80&5%
Machine.....75&10@80%
Carriage, Common.....75&10@75&10%
Norway Iron, list Oct '84..80&10@80&15%
Phila., Eagle, list $3.00.....85%
R. B. & W., $2.40 list.....70%

TIRE—

American Screw Co.:
Bay State, Plain list Feb. 26, '96. 75&10%
Bay State, Fluted.....80%
Eagle Phila., list Feb. 26, '96....85%
Norway, Phila., list Feb. 26, '96.80%
Common, list Feb. 28, '83..75@75&10%
Eagle.....85%
R. B. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—

Plow.....60&10&10@70%
R. B. & W., Plow.....65%
Stove.....75&10%

MISCELLANEOUS—

Sink.....75&10%
Sleigh Shoe.....85%

Bone Mills—

Enterprise.....20%

Borers, Tap—

Common and Ring.....20&10@35%
Enterprise, No. 1, $1.50; 2, $2.00; 3, $3.00 each
Ive's.....33⅓&5%

Boring Machines—

	Without Augers. Upright.	Angular.
Douglass'	$3.50	$3.00
Jennings'	2.50	3.00
Millers Falls	7.50	15&10%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	7.50
Snell's, Rice's Pat.	2.50	$2.75

Bow Pins—

1¼ inch, ₩ gro.....$4.50@$5.00
2 inch, ₩ gro.....$5.00@$5.50

Box s, Mail—

Heller's.....40&5%

Braces—

Barber's.....50&10@60&10%
Barber's Ratchet.....60@60&10%
Bartholomew's:
Nos. 25, 27 and 30.....70@75%
Nos. 117, 118, 119.....70&75%
Common Ball American..$1.10@$1.20
Ives':
Barbers'.....60&5%
Barber Ratchet.....60@60&10%
New Haven Novelty....70@70&10%
New Haven Ratchet.60&10@60&10&10%
Spofford.....60&5@60&10%
C. E. Jennings & Co.:
No. 108@114¼.....60&10%
No. 208¼@214¼.....60%
Peck's (P. S. & W. Co.)...60@60&10%
Gen. Spofford's.....50&10&5%

Brackets—

Door Screen.....70&10%
Moore's.....70&5%
Shelf, Bradley's Patent.....8%
Shelf, Plain, Regular list.....70&10%
Shelf, Fancy, Sargent's list.60&10@60&10&5%
Window Screen Corner.....70&10%
Reading, plain.....70%
Reading, Rosette.....70%

Bright Wire Goods—

Standard list.....85@85&10%

Bull Rings—

Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%
Sargent's.....80@80&10%
Seymour Smith & Sons.....60%

Butcher's Cleavers—

Beatty's.....40&5@40&10%
Bradley's.....35@35%
Dunlap's Family.....25%
Foster Bros. Flat Hds.....30%
Foster Bros. Round Hds.....40%
L. & I. J. White.....35%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%

Bung Hole Borers—

Enterprise.....35%
C. E. Jennings & Co.:
No. 6.....40%
No. 10.....30%

Butter and Cheese Triers—

Ordinary Black Handle.....35%

Butt and Rabbet Gauges—

Stanley's.....25&10%

Butts—

BRASS—

Cast Brass, Fast Joint....40@40&10%
Cast Brass, Ice House.....40%
Cast Brass, Loose Joint...40@40&10%
Wrought Brass, List Sept. '96.40@40&10%

CAST IRON—

Loose Joint.....75@75&5%
Loose Joint, Japanned.....75@75&5%
Loose Joint, Jap. with Acorns, 75@75&5%
Loose Pin.....75@75&5%
Mayer's Hinges.....75@75&5%
Parliament Butts.....75@75&5%
Sargent's:
Fast Joint, Broad.....60&10%
Fast Joint, Narrow, ...60@60&10%

WROUGHT STEEL—

List, April 1, 1895.
Bronzed Inside Blind Butts.50&10@50&10&5%
Bronzed, Narrow.....
Fast Joint, Narrow.....
Fast Joint, Light Narrow....
Fast Joint, Broad.....
Loose Joint.....
Loose Pin.....
Table Butts, Back Flaps, etc..
} 75%

Can Openers—

American.....₩ gross $1.75@$1.90
Champion, ₩ doz. $2.00.....50%
Columbian.....₩ gro. $14.40
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Dunlap's Wood Handle No.2$1.75.25%
Goodell's Acme, ₩ gr. $3.00; ₩ doz.75c
No. 5, Iron Handle. ₩ gr....$2.00@2 25
Sardine Scissors...₩ doz. $2.00@2 25
Sprague, No. 1, $2 00; No. 2, $2.25; No. 3, $2 50.....70%
Universal, ₩ doz. $3.00.....55&5%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%

Cards—

Cotton.....20@25%
Horse and Curry.....30@35%
Wool.....20@25%

Carpet Stretchers—

Bullard's.....33⅓%
Cast Iron Steel Points, ₩ doz.75@$1.00
Cast Steel, Polished.....₩ doz. $2.25
Dunlap's.....25%
Excelsior.....25%
Socket.....₩ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand, Gold Medal, Hall, Prize, Premier, Superior.....Cyco-Bearing.....₩ doz. $36.00
Gold Medal.....₩ doz. $27.00
Hall.....₩ doz. $60.00
Prize.....₩ doz. $27.00
Premier.....₩ doz. $27.00
Superior.....₩ doz. $27.00
Crown Jewel, japan finish, ₩ doz $19.00
Crown Jewel, silver bronze trimmings, ₩ doz.....$30.00
Crown Jewel, nickel, ₩ doz. $31.00
Furniture Protector, Japan.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Parlor Queen, Jap....₩ doz. $24.00
Parlor Queen, Nickel, ₩ doz. $27.00
Standard.....₩ doz. $24.00
Lots of 5 dozen $1.00 per doz. less.

TOY LINE—

Baby.....₩ doz. $2.50
Child's.....₩ doz. $3.60
Little Jewel.....₩ doz. $7.00
Little Queen.....₩ doz. $4.00

Casters—

Bed.....60&10&10@70%
Deep Socket.....60@ 0&10%
Giant Truck Casters.....35%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%
Martin's Patent(Phœnix). 60@60&5%
Plate.....60&10&10@70%
Socket Truck Casters..45&10@45&10&10%
Stationary Truck Casters.....50&10%
Store Truck.....55%
Swivel Truck.....60&10&10%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50&5%
Yale Gem.....70&10&5%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@70&10&10%
Peck, Stow & W. Co.....60%
Sargent's.....70&10@70&10&10%

COW TIES—

American.....60&10%

Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%
Triumph.....33⅓%

Chain—

American Coil, Ass'n base prices.

3-16	¼	5-16	⅜	7-16	½	⅝	¾
$4.85	5.35	4.25	3.85	3.50	3.35	3.15	3.05

Covert Saddlery Works:
Breast Chain.....60&20%
Hitching Chain.....60&20%
Rein Chain.....60&20%
Covert Mfg. Co. Chains.....45%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Galvanized Pump Chain, with Buckets.....50&5½c
German Coil.....60&10@70%
German Halter Chain....60&10@7. %
Jack Chain, Iron.....70@70&5%
Jack Chain, Brass.....70@70&5%
Oneida Halter Chain.....60@60&10%
Plumbers.....60%
Trace, Wagon and Fancy Chains, 60&10@60&10&10%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

Buck Bros.....30%
Charles Buck.....30%
Douglass.....75@75&10%
Hinsdale, Mix, Ohio Tool Co., P. S. & W., Sag Harbor Tool Co., Swan, Winsted Edge Tool Co.
} 75&10&5%
C. E. Jennings & Co. No 70....25&10%
Jennings & Griffin Mfg. Co.....75&5%
Merrill & Wilder.....60&10%

TANGED AND MISCELLANEOUS—

Box.....60&10%
Buck Bros.....30%
Butchers'.....$4.75@$5.00 to $
Cold Chisels, good quality, ₩ lb 14c@16c
C. E. Jennings & Co.....30%
Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges.....40&10%
Spear & Jackson's.....$5 to $
Tanged Firmers'.....50@50&10%

Chucks—

Beach Pat....each $3.00.....30%
Cushman's:
Combination.....40%
Independent.....40%
Morse's Adjustable, each $7.00...35%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....40%
Skinner's Pat. Comb. Chuck.....40%
Union Mfg. Co.:
Combination.....40%
Independent.....40%
Universal.....40%
Victor, No 1, $8.50; No. 2, $12.50. 25%

Clamps—

Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearns'.....30@30&10%
Cabinet Makers, Sargent's....45&10%
Carpenters', Cincinnati.....25&10%
Carriage Makers', Sargent's.. 50&10@50&10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
R. I. Tool Co.'s Wrought Iron....25%
Smith's:
Eccentric.....25%
Splicing.....25%
Splicing Tools.....25%
Warner's.....40&10@40&10&5%

Cleaners, Sidewalk—

Challenge Shank.....₩ doz. $3.25
Star Shank.....₩ doz. $3.50
Star Socket.....₩ doz. $3.75

Clips—

Norway Axle.....70@70&10%
Norway Spring Bar Clips.70@70&10%
Superior Axle Clips.....70&10@75%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....25%
National.....30
The Swift, Lane Bros.....33⅓%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%

Compasses, Dividers, &c.—

Athol Calipers and Dividers.....40%
Bemis & Call Co.'s:
Compasses.....50&5%
Dividers.....65%
Compasses, Calipers, Dividers. 70@70&10%
Wm. Johnson's:
Extension Dividers.....40%
Inside, Outside and Double.....70%
Registering.....50%
Wing Calipers.....70%
Wing Dividers.....75%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
Beatty's.....33⅓%
L. & I. J. White.....20@20&5%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....40%
Humason & Beckley Mfg Co. 40& 10@50%
Samson.....₩ doz $10.00
Williamson's.....40%

Corn Hooks—

Kretsinger Cut-Easy, ₩ doz. $3.00 net

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....35@35&10%

Counter Sinks—

Adjustable.....20%
Countersink Bits.....40&10%
Shepardson's Diamond.....40@45%
Smith's.....25%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....₩ gro. $2.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—

Fitch's, List Nov. 20, '96.....25&10%
Perfect.....35&10%
Rubber, ₩ doz. $7.50.....20@20&10%
Southington Cutlery Co.'s List, Nov. '96.....35&10%

Cycle Hangers—

Lane's.....33⅓&5%

Diggers—

See Post Hole, etc.

Dog Collars—

Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%
Medford Fancy Goods Co. list..40& 10@50%
Union Hardware Co. New List. 50&50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

Door Springs—

Champion (Coil)...50&10@50&10&10%
Foster's (Coil).....30%
Gem (Coil), list Oct. '95.....35%
Rubber, complete, ₩ doz. $5.50. 60%@70%
Star (Coil), list Oct. '95..... 33⅓&10%
Torrey's Rod, 30 in, ₩ doz $1.25@1.35
Victor, Coil.....50&10@50&10&5%
Warner's.....55@55&10%

Drawer Pulls—

Sargent's List.....30%

Drawing Knives—

Adjustable Handle.....40@40&10%
Bradley's.....35%
Douglass.....75@75&10%
Jennings & Griffin.....75&5%
Merrill & Wilder.....60&10%
Mix, New Haven, P. S. & W., Witherby.....
} 75& 10& 5%
Watrous.....30@30&10%
L. & I. J. White.....30&5@35%
Wilkinson's Folding.....35@35&5%

Drills and Drill Stocks—

Automatic Boring Tools..$1.75@1.85
Blacksmiths'.....each $1.75
Breast, Bartholomew's No. 12, ₩ doz.....$16.00
Breast, Millers Falls, each $3.00 15&10%
Breast, P. S. & W.....40&10%

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Bi east. Wilson's.....80&5%
Graves Drill Stocks.....40%
Ratchet, Billings' Dble. Acting.33⅓%
Ratchet, Ingersoll's.....25%
Ratchet, Merrill's.....20@20&5%
Ratchet, Moore's Triple Act.35@30%
Ratchet, Parker's.....40%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Stearns' Bench.....50@50&10%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

Dover (Standard Co.) No. 10 ₩ gro. $9.50
Dover Extra Heavy (Standard Co.) No. 15.....₩ gro. $21.00
Paine, Diehl & Co.'s Keystone..33⅓%
Spiral.....₩ gro. $4.50@$4.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$2.00 each, less 50%
Annunciators, $1.50 ₩ drop less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon..6'c. ea., less 50%
Batteries, Medical, $3.50 ea., less 50%
Batteries, Dry.....50c. ea., less 50%
Bells, Electric, 2¼.....50c. ea., less 50%
Call Bell Outfit, Electric...$2.00 each, less 50%
Desk Pushes Electric..30c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Risers' Set, Electric..$3.50 each, less 50%
Floor Pushes, E ctric...6 c. ea., less 50%
Gas Burners, Electric....5' c. ea., le s 5 %
Gravity Batteries, $1.00 ea.. less 50%
Hydrometers....75c. each, less 50%
Incandescent Lamps..40c. each, less 50%
Induction Coils, Telephone..6 c. each less 50%
Lead Covered Wire No. 18, No. 16, No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Push Buttons, Wood..10c. each, less 50%
Sal Ammoniac...18c. ₩ ℔, less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt....24c. each, less 50%
Switches, 3 pt....28c. each, less 50%
Spark Coils, 8 pt..$3.00 ea., less 50%
Spark Coils, 10 pt $2.40 ea , less 50%
Spark Coi s, 12 pt.....$3.30 each, less 50%
Tape, Insulating, 30c. ₩ ℔, less 50%
Tube, Speaking, $21.00 ₩ 1,000 ft. less 50%
Whistles, Speaking Tube, N. P., 2.00 ₩ doz., less 50%
Whistles, Speaking Tube, Percelain.....75c ₩ doz., less 50%
Wire Winders, $10.00 each, less 50%
Window Springs, Electric..24c. each, less 50%
Yale Lock Switch, Electric, $3.50 each, less 50%
Zincs, Leclanche...04c. ea., less 5%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ₩ ℔	4¼c	5c	3c
½ kegs, ₩ ℔	4¾c	5¼c	3¼c
¼ kegs, ₩ ℔	5c	5½c	3½c
10 ℔ cans, 10 in case	6c	6½c	5½c
10 ℔ cans, less than 10	10c	10c	8c

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Brass Thread.....60@60&10%
Wood.....25%

Escutcheon Pins—

Brass.....70@70&10%
Iron, list January, 1890.....60@60&5%

Farriers Knives—

"Challenge".....₩ doz. $3.00
Popes.....₩ doz. $3.00
Wilkinson's.....₩ doz. $3.00

Faucets—

Brass Globe Cocks.....60&10%
Brass Racking.....60&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....60%
Frary's Pat. Petroleum. 60&10@70%
John Sommer's Boss Tin Key....50%
John Sommer's Chicago Cork lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Cedar (in bbls.) 50&10%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....50%
John Sommer's No Brand Metal Key.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.40%
John Sommer's Peerless Tin Key.40%
John Sommer's Reliable Cork Lined.....60%
John Sommer's W. P. Metal Key.40%
Star.....60@60&5%
Self-Measuring:
Enterprise ₩ doz. $36.00.....40%
Lane's ₩ doz. $36.00.....40%
National Specialty Mfg. Co....40%

Fibreware—

Standard Fibre-ware Co.

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Buggy Pails, 7 in. high.	2.60		
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt.	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)	1.40	1.70	2.00
Cuspidors, 9x7½ inches, (anti-tip-over)	5.50	6.50	7.00
Dairy Pails, 14 qt.	3.80	3.80	4.80
Fire Pails, 14 qt., stenciled "fire"	3.40		
Fruit Bowls	1.20	1.70	2.00
Keelers, 11½ inch	2.80	2.80	3.10
Milk Pans	1.50	2.00	2.20
Mats, 8½ inch (for table use)	.50	1.00	1.20
Mats, 15 inch (for cuspidores, etc.	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc).	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc).	3.00	3.70	4.80
Prison Pails, 16 qt. (with cover)	6.50		
Pitchers, 10½ in. high.	4.00	4.70	5.20
Peck Measures	2.80		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt.	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Spittoons, Daisy, 8½ in. (detachable covers)	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers)	3.60	4.50	5.00
Spittoons, 13 in., (detachable covers)	4.00	4.80	5.80
Water Pails, 13 qt.	$3.00	$3.50	$4.00
Waste Paper Jars	3.00	4.00	4.50
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)	1.20	1.70	2.00
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in.. (or Wash Bowls	2.30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4.00

Files—

DOMESTIC—

American.....75%
Arcade.....75%
Great Western.....75%
Kearney & Foot.....70&10@75%
Nicholson.....70%
Nicholson's X. F. Files.....33⅓%
Second Quality Files.....30@30&10%
Troy File Works:
Files.....70&10%
Rasps.....70%

IMPORTED—

Stubs.....Stubs' list, 25@30%

Filters—

Seed's Water Filters:

A 1, $4.00	No. 2, $2.50	No. 3, $1.50	No. 4, $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (60c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....60&30%

Fluting Scissors—

List.....45%

Forks—

Champion, Hay, Manure, etc.75&15%
Columbia, Hay.....75&10%
Columbia, Manure.....30%
Columbia, Spading.....30&5%
Hay.....75%
Iowa Farming Tool Co.:
Barley.....60&40%
Manure, 4 tine.....75&10 & 2½%
Manure, 5 and 6 tine.....70&20&5%
Spading.....75&10&2%
Victor, Hay.....75&1[illegible]%
Victor, Manure and Header.....80%

Freezers, Ice Cream—

Blizzard.....net
Gem.....net
Granite State.....net
Improved Arctic.....net
Keystone, P. D. & Co.....20%
Ohio.....60&10%
Packer's:
Confectioner's Machine.....net
Double Action Standard.....net
Good Luck.....net
Standard.....net
Shepard's Lightning.....net
White Mountain.....net

Fry Pans—

Acme Fry Pans.....70&10%
Polished, regular goods..75@75&10%
Standard List.....75&10@75&10&5%

No.	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
₩ doz.	$6.00	$7.00	$8.00	$9.00	

Gas Lighting Burners—

Gem.....₩ doz. $2.50
In lots of 3 doz.....₩ doz. $2.25

Gauges—

Bemis & Call's Steel.....50%
Boss, Screw Pitch.....33⅓%
Clapboard.....30%
Marking, Mortise, &c..60&10@60&10&10%
Stanley's.....60&10%
Stanley's Chisel.....25%
Starrett's Surface, Center and Scratch.....25&10%
Copeland Champion Bit ₩ doz $3.00 net
Stubs' Wire and Drill.....20%
Wire, Morse's.....25%
Wire, P. S. & W., low list....10&10%
Wire, Wheeler, Madden & Co....10%

Gimlets—

"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%
"Diamond" Gimlets ₩ gr. $4.00@4.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%
"Eureka" Gimlets.60&10@60&10&5%
Metal head.....55%
Nail Gimlets:
Assorted 1, 2 and 3.....₩ gr. $1.50
Assorted 2 and 3.....₩ gr. $1.70
Pod.....50%
Star.....50%
Spike Gimlets:
Assorted 1, 2 and 3.....₩ gr. $3.00
Assorted 2 and 3.....₩ gr. $3.25
Wood head.....50&10%

Glue—

Dodd's Liquid Glue.....25&25&10%
Le Pages Liquid.....25&25&10%

Glue Pots—

Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....60%
Enameled.....45@50%
Tinned.....45@50%

Graters—

Enterprise.....25%

Grindstones—

Family, 6 in.....₩ doz. $4.90
Family, 7 in. and 8 in....₩ doz. $6.00
Family, 9 in. and 10 in..₩ doz. $6.75
Loose Grindstones, 30 to 200 ℔s., $7.00 ₩ ton f.o.b. quarry.
Millers Falls.....25%
Mounted Grindstones:
No. 1, each.....$1.65
No. 2, each.....$1.50
No 3, each.....$1.35
New York Pattern.....20%
Ohio Pattern.....10%

Grindstone Fixtures—

Howard Iron Co.....20%
Moore's.....55&10%
P., S. & W. Co.....50&10&10%
Russell & Erwin.....70&10%
Sargent's Patent..70&10@70&10&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
'96 List.....60&20%
Upson & Wooding.....40%
Wright's Animal Tether.....30%

Hammers—

HANDLED HAMMERS—

Atha Tool Co.....50&10@60%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&10%
C. Hammond & Son. List..40&10@50%
Humason & Beckley.....50@50&10%
Dunlap's Patent.....25%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40&10%
Maydole's.....33⅓&5@40&5&5%
Peck, Stow & Wilcox.....40@40&5%
Fayette R. Plumb:
Artisan's Choice, A. E. Nail.. 40&12½%
Engineers & B S. Hand....40&15%
Y. & P., A. E. Nail.....40&12½%
Other Brands.....40&10@6%
Sargent's New List.....45@50%
Verree.....50&10@60%
Warner & Nobles New List..35&10%

HEAVY HAMMERS AND SLEDGES—

Under 3 ℔...₩ ℔ 40c
3 to 5 ℔.....₩ ℔ 36c } 75@75&10%
Over 5 ℔.....₩ ℔ 30c

Wilkinson's Smiths....9½c@10c ₩ ℔

Hammock Ropes—

Covert Mfg. Co.....45%
Covert's Saddlery Works....60&30%

Handles—

IRON, WROUGHT OR CAST—

Chest Handles, Sargent's..50&10@50&10&10%
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.08	1.35	1.50

50&10@70%
Drawer Handles.....60%
Ring Handles.....70%
Roggin's Latches.....50&10@60%
Shelf Box Handles.....65%
Trunk Handles.....60%
Tub Handles.....60&10%

STORE DOOR HANDLES.—

Bronzed, with Cylinder Lock....50%
Bronzed.....60&10@66⅔%
Japanned, with Nuts.....$1.00
Japanned, with Plate.....$1.10
Japanned, without Plate.....80c

DOOR PULL—

Bar.....60@60&10%
Barn Door.....50&10%
Chest and Lifting.....60@60&10%
Drawer Pulls.....50&10@60%
Plain B. M.....60@60&10%
Push Plates, Sargent's List..60@60&10%
Sash Pull Plates.....70&10%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%

WOOD—

Auger, assorted.....₩ gr. $2.25@2.50
Auger, large.....₩ gr. $3.00@3.25
Auger, Douglass', Pat. ₩ set, No. 1, $1.00; No. 2, $1.40
Auger Ives', Pat. No. 1, 60&10% No. 2 to 33⅓.....40%
Auger, Swan's, Pat. ₩ set, No. 3, $1.00; No. 4, $1.35.....25&10%
Brad Awl.....₩ gr. $1.75@2.00
Chisel Worcester Leather Cap'd 1.50
File, assorted.....₩ gr. $1.25@1.40
Firmer Chisel, Apple ass'd ₩ gr. $2.25@2.50
Firmer Chisel, Apple large ₩ gr. $3.75@3.00
Firmer Chisel, Hickory ass'd ₩ gr. $2.00@2.25
Firmer Chisel, Hickory, large, ₩ gr. $2.50@2.75
Firmer Chisel, Socket ass'd ₩ gr. $2.00@2.25
Hammer, Hatchet, Axe, Sledge, etc.....60&25
Hoe, Rake and Fork 60&10@60&10&5%
Saw and Plane.....40&10@60%
Shovel and Spade, Wood D Hdle. 60@60&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....60&10@60&10&10%
Barn Door, New England.70@70&10%
Barry, $6.00.....50&10%
Best Anti-Friction.60&10@60&10&5%
Challenge, Barn Door.....50%
Climax Anti-Friction.....55%
Cronk's Roller Bearing, No. 4, $18.00; No. 5, $26.00....60&10&10%
Cronk's Steel cov'd Loose Axle, 60&10&10%
Davis Parlor Door.....50@60&5%
Duplex (Wood Track).....60&10&5%
Kidder's.....50@50&10%
Lanes Barn Door:
Covered.....60&1[illegible]%
No. 50.....6[illegible]&5%
New Model.....4 &1 %
Parlor, Standard.....4[illegible]&10%
Standard.....60&10%
McKinney's "None Better," $18.00 dozen pairs.....60&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....33⅓%
Reed's Steel Arm.....30%
Rider & Wooster, No. 1, 66⅔c.; No. 2, 75c.....40%
Richards' Single Track, Steel.50&10%
Star.....60&10&10%
Stearns' Challenge.....50@50&5%
Sterling's Impr'd.60&10@60&10&10%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
The Boss.....60&10@60&10&5%
Universal Anti-Friction.....40%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4, $35.00.60&10&10%
Warner's Pat.....20&10&10%

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Wild West, 4 in. Wheel.....50%
Zenith for Wood Track.....55%

Harness Snaps—

See Snaps.

Hasps and Staples—

McKinney's "Perfect," $1.10 ₱ doz.....40&10%
Wrought.....85&10@85&10&5%

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Lightning, from jobbers.$6.00@$6.25
Wadsworth's.....40&5@40&5&5%

Hedge Shears—

Wm. Wilkinson & Sons.....50%

Hinges—

WROUGHT IRON HINGES—

Corrugated Strap and T..7½@75&5%
Rolled Blind Hinges Nos. 33 and 34 50&10@50&10&5%
Rolled Plate..... } 70&10@70&10&5%
Rolled Raised.... }
Plate Hinges "Providence" 6 to 12 in. ₱ lb., 5c. 14 to 36 in. ₱ lb. 4c.
Screw Hook and Strap. { 6 to 12 in., ₱ lb 2¼@2½c; 14 to 20 in., ₱ lb 2@2¼c; 22 to 36 in., ₱ lb 1¾@2 c
Strap and T..... .....7½@75&5%

SPRING HINGES—

Acme.....80@10%
American.....20%
Bommer's.....40%
Bardsley's Patent Checking.....15%
Chicago.....30%
Crown.....30%
Champion.....60%
Devore's No. 1.....₱ gr. $12.00
Geer's Spring and Blank Butts...40%
Gem.....30&10%
Keil's American.....30%
Matchless No. 10.....70%
New Idea, No. 1, ₱ gro.....$7.50
New Idea, No. 2, ₱ gro.....$12.00
Oxford.....30&10%
Rex.....₱ gr. $12.00
Royal Japanned.....66⅔%
Rubber.....66⅔%
Sargent's List 1894:
Bronze Metal.....75&10%
Japanned Surface, Single..70&10%
Japanned Surface, Double.60&10%
Mortise.....55%
Model.....70@70&10&10%
Tuscan Surface, Single.....7 %
Tuscan Surface, Double.....70%
Vigilant.....50&10@50&10&10%
Union Spring Hinge Co.'s list, March, 1894.....30%
Union Mfg. Co.....25%
Wiles' No. 1, ₱ gr., $16.00; No. 2, $13.00

GATE HINGES—

Automatic.....₱ doz $12.50, 50%
Common Sense..₱ doz pair $4.50, 50%
Clark's Nos. 1, 2, 3.....70&10&5%
Long's Self Closing.....50%
N. E...₱ doz $7.20.....60@60&10%
N. E. Reversible.....₱ doz $5.60 60@60&10%
N. Y. State..₱ doz $4.90...60@60&10%
Reed's Latch and Hinges...₱ doz $13.00, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3.60&10@60&10 &5%
Western, ₱ doz $4.20.....60@60&10%

BLIND HINGES—

Clark's:
Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....60&10%
Mortise Gravity.....50%
Nos. 1, 3, 5.....80&10%
Nos. 40 and 50.....80%
Huffer.....65%
Parker.....75@75&10%
Sargent's Nos. 1, 3, 5, 11, 13. 75@75&10%
Shepard's:
Buffalo.....80&10&5%
Clark's "Victor".....80@80&10%
Niagara.....80&10%
Noiseless.....80%
O. S. Lull & Porter.....80&10&5%
Stanley's Steel Gravity Blind Hinges, ₱ doz. sets $1.80.....40&10%

Hitching Cords—

Covert Mfg. Co.....45%

Hoes—

HANDLED—

Crescent Cultivator, 6 in. ₱ doz. $3.75 net
Crescent Cultivator, 7 in. ₱ doz. $4.00 net
Crescent Double-Bit a doz. $4.00 net
Cruciole Cut-Easy..₱ doz. $4 80 net
Cotton.....80a12½%
Dunlap's Boys', Ladies', Toy.....80a
Garden, Mortar, &c.....75a25a
Iowa Crucible Socket.....75&25%
Magic.....₱ doz $4.00
Mattock Hoe.....₱ doz. $4.00 net
Planter's.....80&30%
Texas Cut Easy.....₱ doz. $4.25 net
Warren Hoe.....60&10%

EYE—

American Axe & Tool Co.....70%
Grub.....60&10@70&5%
Lane's:
Crescent Planters Pat.....45&5%
Razor Blade, Scovil Pat.....30&5%
Sandusky Tool Co., S. & O. Pat. 60@60&10%
D. & H. Scovil.....30@30%

Hog Rings and Ringers—

Hill's:
Rings.....₱ gr. boxes..$3.60@$4.00
Ringers.....₱ doz. 55@65c
Perfect Rings.....₱ gro. 90c
Perfect Ringers.....₱ doz. $1.00

Hollow Ware—

IRON—

Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware.60&10&10%
Rustless Hollow-Ware.....50@50&5%
Stove Hollow-ware:
Ground.....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Boilers and Saucepans....62½@65%
Maslin Kettles.....75&5@75&10&5%
Tinned Boilers and Saucepans.... 60&5@60&10%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Hartford Silver-Plate Co.....40&5%
Holmes & Edwards Silver Co. 40&15&5%
Meriden Britannia Co.....40&5%
Reed & Barton.....40&5%
Rogers & Brother.....40&5%
Simpson, Hall, Miller & Co.....40&5%
William Rogers Mfg. Co.....40&10%

Hooks—

BUSH—

Jennings & Griffin's.....40&10%
Light ₱ doz. $5.00: Medium ₱ doz. $5.50; Heavy $6.00

CAST IRON—

Bird Cage, Sargent's list...60&10&10%
Bird Cage, Reading.....60@60&10%
Bird Cage, Williamson.....50%
Ceiling, Sargent's list.....60&10%
Chandelier.....70%
Clothes Line, Sargent's list...5 &10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading.....60&10%
Coat and Hat, Moore's.....70%
Harness, Sargent's list....50@50&10%
Lamp.....55%
Picture.....75%
Screw Hat.....70%
Wardrobe.....55%

WROUGHT IRON—

Cotton.....₱ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Hammock Hooks, E. C. Stearns, ₱ doz.....60c
Picture, T. & S. Mfg. Co.....75%
Tassel, T. & S. Mfg. Co.....60&10%
Wrought Staples, Hooks, &c. See Wrought Goods.

MEAT—

Enterprise.....33⅓%
Wm. Johnson's:
8 in.....₱ doz. $2.20 net
10 in.....₱ doz. $2.70 net

WIRE—

Atlas Coat and Hat.....50@50&10%
Belt.....80@80&10%
Handy Coat and Hat.....70%
Steady Ceiling.....70%
Wire Coat and Hat, Acme...60&10%
Wire Coat and Hat, Gem.....70%
Wire Coat and Hat, Standard....45%

MISCELLANEOUS—

Carpenter's Amc. Grass Hooks, ₱ doz. $4.00
Covert's Saddlery Works:
Self-Locking Gate and Door Hooks.....60&20%
Dunlap's Merchandise.....25%
Grass, No. 2, $1.65; 3, $1.80; 4, $2.00
Hooks and Eyes—Brass.....70&10%
Hooks and Eyes—Mal. Iron.....75%
Wm. Johnson's Cotton, Box and Hay.....60%
Moores':
Clothes Line.....70%
Harness.....70%
Hotel & School House.....70%
Whiffletree.....₱ lb 4½c

Horse Nails—

Nos.	6	7	8	9	10
A. C.	25c	23c	22c	21c	21c.

40&10%
American, all sizes, 9½@10c.....net
Ausable.....28c 28c 25c 24c 23c. 40&10&5%
Anchor.....23c 21c 20c 19c 18c.....40%
C. S. K.....25c 23c 22c 21c. 21c 40%
Capewell...19c 18c 17c 16c 15c..10&5%
Champlain..23c 23c 22c 24c 23c 40&5&5%
Clinton Fin.19c 17c 15c 15c 14c. 30&10&5%
Empire Bronsed.....10c
Essex.....23c 23c 25c 24c 23c. 40&10@50%
Lyra....9½c 9½c 9½c 9½c 9½c., net
Maud S.....25c 23c 23c 21c. 21c 50&10&5%
Northw't'n.23c 23c 23c 21c 20c. 25@25&5%
Putnam.....23c 21c 20c 19c 18c....15%
Snowden, 9½c 9½c 9½c 9½c 9½c., net
Vulcan.....23c 21c 20c 19c 18c.....25%
Western, 5 to 10d.....9c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co.....45%

Hose, Rubber—

Boston Belting Co.:
"Boston".....50&10&5%
"Imperial".....50&10%
Competition.....75@75&10%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Standard.....70&10@70&10&5%

Ice Awls, Chippers, &c.—

Copeland Ice Pick....₱ gr $9.00 net
Crown.....net
Dunlap's:
No. 1.....$3.50 per doz 20%
No. 20.....$12.00 per doz 20%
Gem Ice Shave.....net
Sargent's Ice Awls.....55%
Star.....net

Ice Shredders—

Enterprise, No. 33, ₱ doz. $7.20..25%
No. 34.....₱ doz. $15.00.20%

Jack Screws—

See Screws.

Kettles—

Spun Brass, Plain.....15@20%
Spun Brass, plated inside with White Metal.....10@15%

Knives—

Ames':
Bread Knives. ₱ doz. $1.50...20@25%
Butcher Knives.....25@25&10%
Shoe Knives.....25@30%
Dunlap Kitchen and Br'd Knives 25%
Foster Bros.' Butcher, &c.....40%
Goodell's:
Bread Knives Ass'n list.....net
Butcher.....25%
Shoe Knives.....40%
Hay and Straw, see Hay Knives.
Nichols' Butcher Knives.....50%
Table and Pocket, see Cutlery.
Wilson's Butcher Knives..25@25&5%

Knobs—

Bardsley's Wood Door, Shutter and Base.....15%
Base, Rubber Tip, 3½ in. Bead, ₱ gr.....$1.25@$1.50
Carriage, Jap.....₱ gro. 80c, 60&10%
Door Knobs, Hemacite.....50&10%
Door Mineral.....₱ doz. 55@60c
Door Por. Jap'd.....₱ doz. 65@70c
Door Por. Nickel .₱ doz .$1.70@1.80
Drawer, Porcelain.60&10@60&10&10%
Picture, Hemacite.....50&10%
Picture, Judd's.....50&10&10%
Picture, Sargent's.....70&10%
Shutter, Porcelain.....70%
Yale & Towne Wood, list Dec. '95. 40%

Ladles, Melting—

Monroe's Pat.....₱ doz $4.00, 40%
P. S. & W.....35&10@40%
Reading.....50&10%
Sargent's.....60@60&10%
Warner's.....30%

Latches—

Cronk's Sliding Door.....60%
Lane's Barn Door.....40%

Lawn Mowers—

Champion.....75&10%
Continental.....30&10%
Drexel Cheap Mowers.....net
Enterprise.....40%
Genuine Philadelphia Mowers:
C. K. L.....70&10%
Styles A., and E.....60&10%
Styles, D., D. O. W., M., S., T..
Great American.....70&10%
Imperial.....60&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%
New Easy.....60&10@60&10&10%
New York.....60&5%
Pennsylvania.....60&10%
Rapid Transit.....70&10&10%
Standard.....60&5%
Sunbeam.....60&10%

Lawn Sprinklers—

Enterprise.....25%
Gibbs' Arc.....₱ doz. $10.00
Gibbs' Hustler.....₱ doz. $5.00
Philadelphia Lawn Mower Co.
Philadelphia Lawn Sprinkler:
No. 1, No. 2, No. 3,
₱ doz. $12.00 $15.00 $24.00..35%

Lemon Squeezers—

Berger Bros. ₱ doz. 8-in. $1.00; 10-in. $1.40.....20%
Dean's, Nos. 1, ₱ doz. $6.50; 2, $3.25 3, $1.65; Queen $3.50 net
Dunlap's Improved ₱ doz. $3.75 20%
Hotchkiss, Straight Flush ₱ doz. $9.60
Jennings' Star...₱ doz. $1.92@$2.10
Little Giant.....50@50&5%
Porc. Lined, Iron.....$3.25@$3.50
Porc. Lined, Wood....₱ doz. $6.00 $3.5&10@40%
Wood, Common ₱ gross, No. 0, $5.00; No. 1, $6.00; No. 2, $10.00.

Letter Box Plates—

Name Door Plate.....50@50&10%
Name Plate.....70%
Number Door Plate.....6@@0 &10%
Sargent's.....60&10@70%

Levels—

C. E. Jennings & Co.'s:
Hexagon.....25&10%
Iron Bench, new design....25&10%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's.50%
Cotton Chalk, 20 feet.....60&10%
Cotton Trot.....33⅓%
Masons':
Colored Cotton.....40& 10%
Flax.....40&10%
No. 0 to 5.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₱ gro.....2%
Ventilator Cord, Samson Braided, White or Drab Cot. ₱ doz. $7.50. 20%
Wire Clothes, 100 feet, No. 18, $2.25; No. 19, $2.00; No. 20, $1.75

Locks—

DOOR LOCKS, LATCHES, &c.—

Barnes Mfg Co.....40@40&10%
Branford Lock Co.....net prices
Brooklyn Latches.....60&10%
Champion Night Latches.....40%
Dietz Flat Key.....20%
Mallory, Wheeler & Co...60&10@70%
Norwalk Lock Co.....60&10%
Plate.....33⅓%
R. & E. Mfg. Co.....6@&10@70%
Reading Hdw. Co.....60@60&10%
Romer's Night Latches.....20&5%
Sargent & Co.....60&10@60&10&10%
Slaymaker, Barry Co.'s:
Corrugated Key Latch.....35&5%
All other Night Latches.....40%
Yale.....net prices

CABINET—

Barnes Mfg. Co.....40@40&10%
Dietz:
Nos. 22 to 39.....40%
Nos. 41 to 78.....45%
Nos. 87 to 96.....30%
Eagle Lock Co.....45&5%
Charles Parker Co.....45&5%
Romer's.....35%
Stoddard Lock Co.....30@33⅓%
Yale.....45&5%

PADLOCKS—

Acme Bicycle and Satchel per doz. $2.00.....40%
Ames Sword Co.....40%
Barnes Mfg. Co.....50@50&10%
Champion.....40%
A. E. Dietz.....40%
Eagle.....40%
Eureka, Eagle Lock Co.....40&5%
Gem, Corbin's.....40&5%
Romer's Nos. 0 to 3½.....40&5%
Scandinavian.....30&40@30&40&10%
Smith & Egge Bicycle.....30%
Wrought Iron.....75@30%
Yale Lock Co.....net prices

TRUNK—

Corbin's.....25%
Eagle.....25%

Mallets—

Sargent's List
Hickory.....50@35&10%
Lignumvitæ.....50@35&10%
Raw-Hide.....40&10%

Mattocks—

Regular list.....70@70&10%

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Meat Cutters—

American.....30%
Nos.....1 2 3 4 5 6
Each.$6 $7 $10 $25 $60 $60
Beef Shavers (Enterprise).....30%
Onadborn's Smoked Beef Cutter, ₩ doz $60.00
Dixon's.....₩ doz 33⅓%
Nos.....1 2 3 4
$14 $17 $19 $60
Enterprise.....35%
Nos.....10 12 22 42
Each...$3 $3.50 $4 $6 $15
Hales Pattern ₩ doz.....70@70&5%
Nos.....11 12 13
$37 $38 $45
Home No. 1..₩ doz $36.....60%
Little Giant.....50&10%
Nos. 305 310 312 320 322
325 $45 $44 $72 $66
Miles' Challenge ₩ doz...45@45&10%
Nos.....1 2 3
$35 $30 $40
Perfection.....net
Woodruff's ₩ doz.....33⅓%
Nos.....100 150
$15 $18

Metals, Friction—

Magnolia, ₩ ℔.....25c
Less 20 to the trade, f. o. b. New York.

Molasses Gates—

Enterprise.....20%

Nails—

WIRE AND CUT NAILS—

See Trade Report for quotations.
Wire Nails and Brads, Papered, Ass'n list, May 1, 1893.....67½%
Grand Crossing Tack Co. List:
Wire Brads.....80%
Wire Nails.....80%

FIXTURES—

Brass Head, Combination list, 50& 10%
Brass Head, Sargent's list, 70&10@ 70&10&5%
Niles' Patent.....40%
Porcelain Head, Comb'n list, 40&10%
Porcelain Head, Sargent's list, 50& 10%

FURNITURE—

Antique Bronze.....10%
China.....25%
Fire Gilt.....10%
Plain.....40%

Nail Pullers—

Black Hawk, per doz.....$9.00
Giant, No. 1, ₩ doz $18.00; No. 1½, $16.50; No. 2, $15.00.....30&5%
Lightning.....₩ doz $18.00, 20%
National.....40%
Pelican.....₩ doz $9.00, 15&10%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Buck Bros.....27½%
Cannon's Diam'd Point ₩ gr. $12, 25%
Dunlap's.....20%
Humason's.....50&10%
Hunters' Cup Point Knurled..... ₩ gro. $10.00
Hunters' Cup Point, Plain..... ₩ gro. $9.00
Round, assorted.....₩ gr. $3.00@3.25
Square.....₩ gr. $4.00@$4.25

Nippers—

Acme.....50%
Smith's Cutting.....50%
Todd's Cutting.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00...40%
Turner & Seymour Mfg. Co.....60%

Nuts—

Cold Punched, Square, off list. $5 40
Hex, off list.....$5 70
Hot Pressed, Square, off list..$5.90
Hex, off list.....$6.70
Tapped.....60%

Oilers—

Brass and Copper.....50&10%
Cushman & Denison's:
Pocket Oilers.....₩ doz. $1.65
Star Pocket Oilers..... .75
Draper's:
Brass.....70&10%
Steel.....70&10%
Malleable. Hammers, New Style, 10@10&5%
Malleable. Hammers, Old Pattern, same list.....50&10%
"Paragon," Brass.....50&10@60%
"Paragon," Zinc.....70@70&10%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....75%
Zinc and Tin.....70&10@75%

Oil Stones, etc.—

OIL STONES—

Pikes Washita:
Lily White, ₩ ℔.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔..... .50
No. 1..... .40
No. 2..... .30
Pike's Washita Round Edge Slips: 3 to 5x1¾ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¾ to ⅝ ₩ ℔..... .70
Discount 33⅓&5.
Pike's Washita Mounted No. 1:
3x2, ₩ doz.....$13.00
7x2, " 11 00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ ℔..... .24
" 2x2x¾, extra selected.. .40
Discount 33⅓&5.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanising, per ℔ 70c.....40%
Boston "Phoenix" Red Sheet, per ℔.....50c.net
Extra.....60&5@60&10&5%
Standard, Fair Quality.. 70&10@75%

MISCELLANEOUS—

American Packing.....9c@10c ₩ ℔
Cotton Packing.....14c@15c ₩ ℔
Italian Packing.....13c@14c ₩ ℔
Jute.....6c@7c ₩ ℔
Russian Packing.....13c@14c ₩ ℔

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1886.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Gold Medal.....₩ doz 4.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 12 50
New Lightning.....₩ doz 5.00
Oriole.....₩ doz 4.00
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Rocking Table.....₩ doz 5.50
Scott's Pat. Rotary, ₩ doz $15.00, 20%
Turntable.....₩ doz 4.50
Victor.....₩ doz 12.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00

POTATO—

Antrim Combinatic...₩ doz 5.50
Hoosier.....₩ doz 12.50
Saratoga.....₩ doz 5.50
White Mountain.....₩ doz $4.50

Pencils—

Dixon's:
Carpenters'.....₩ gr. $4.00&7.50
Carpenter, Yellow or Brown Lead.....₩ gro. 9.00
Lead.....₩ gro $4.50
Lumber.....₩ gro. 6.87
Mascot, Hexagon.....₩ gro. 4.88
Mascot, Round.....₩ gro. 3.10

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Bailey's (Stanley R. & L. Co.) 50&10@50&10&10%
Bench, First Quality.....55%
Bench, Second Quality....50@50&10%
Fales Bench.....25%
C. E. Jennings & Co.....50&10%
Molding.....50%

IRON PLANES—

Chaplin's Iron Planes.....50&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting.....35%
C. E. Jennings & Co., Iron.....N & 10%
Meriden Mal. Iron Co.'s..40@40&10%
Sargent's.....50@50&10%
Siegley's:
Bench.....40%
Combination, each.....$4 50 net
Standard Tool Co.....50@50&5%
Stanley Rule & Level Co.:
Bailey's...50&10&10@50&10&10&5%
Miscellaneous.....35&10%
Steer's Iron Planes..50&10@50&10&5

PLANE IRONS—

Auburn "Thistle"..... Ohio..... Sandusky.....} 30&10@40%
Buck Bros.....30%
Butcher's.....$5.00@$5.25 to $
Hinsdale.....25&10%
C. E. Jennings & Co.....25&10%
Stanley Rule & Level Co.....50&10%
L. & I. J. White.....20&5@25%

Pliers and Nippers—

Button's.....70&10@70&10&5%
Carew's Pat. Wire Cutters.....25%
Cronk's:
Button Pattern.....70%
Gas Pliers, No. 100.....40%
Stubb's Pat. Pliers.....50%
Hall's Nippers, ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00....40&10%
Hall's Pliers.....70%
Humason & Beckley Mfg. Co.50@50 &10%
Wm. Johnson's Gas Pliers.....66⅔%
Morrill's Parallel, ₩ doz $12.00 30&5%
Smith's Side Cutting.....25%
Stubbs'.....20%
Swiss Pliers.....25%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%

Plumbs and Levels—

Cook's.....40&10&10%
Davis':
Inclinometers.....20%
Iron Levels.....25&10%
Disston's.....50%
Wm. Johnson's.....75%
Plumb Bobs.....40%
Pocket Levels.....70&10&10@75&10%
Stanley's.....75&10&10%
Stanley's Duplex.....25&10%
Wood's Extension Sight.....33⅓%

Poachers—

See Egg Poachers.

Police Goods—

J. P. Lovell's Police Goods.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
Tower & Lyon's.....25%

Polish, Metal—

Prestoline Liquid, New List.....40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Dixon's Plumbago.....₩ ℔ 8c
Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75

Poppers, Corn—

Round or square, 1 qt., ₩ doz. $ .75; ₩ gr. $6.50 } 10@ 1½ qt. ₩ doz. $ .85; ₩ gr. $8.00 } 15% 2 qt., ₩ doz. $1.15; ₩ gr. $12 00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3.00; 2 qt., $4 00.....33⅓%

Post Hole Diggers—

Ryan's.....₩ doz., $20.00, 25%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Cronk's Pruning Shears.....33⅓%
Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Dunlap's Saw and Chisel.....₩ doz $3.50, 30%
Henry's Pruning Shears ₩ doz $3.50@$3.75
E. S. Lee & Co.'s Pruning Tools. 40%
P. S. & W. Co.'s Shears.....60%
Pruning Shears, Henry's Pat. ₩ doz.....$3.50@3.75
Waters Tree Pruners.....75&10%
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%

Pulleys

Awning.....60@60&10%
Axle.....60&10@60&10 x 10%
Brass Screw.....66⅔@70%
Ceiling.....60@10&10&10%
Clothes Line, Japanned..60@60&10%
Common Sense.....60%
Dumb Waiter.....60@60&10%
Empire Sash Pulley.....60%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%
Hot House.....50&10@50&10&10%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%
Side. Anti-Friction.....50%
Shade Rack.....45%
Upright.....50&10@50&10&10%

Pumps—

Cistern, Best grades..65&10@70&10%
Pitcher Spout, Best grades75&10@80%
Pitcher Spout, Cheaper Goods. 50&5@50&10%
F. E. Myers & Bro.:
No. 1, Fig. 338, 3 in. Shallow Well Pump.....$12.00
No. 3, Fig. 338, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 33, Fig. 533, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 333, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 3½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 103, Fig. 443, 3 in. Lift Pump.....$10.00
No. 108, Fig. 443, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 255, Fig. 399, Windmill Pump.....$12.50
No. 260, Fig. 402, Windmill Pump.....$13.50
No. 265, Fig. 403, Windmill Pump.....$14.50
No. 340, Fig. 406, Regulator Pump.....$20.00
No. 280 Fig. 454, Imperial Cyclone Pump.....$13.00
No. 295, Fig. 573, Cyclone Tank Force Pump.....$17.00
No. 297, Fig. 488, Geyser Tank Force Pump.....$17.00
No. 298, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 308, Fig. 477, Spray Pump complete.....$11.50
No. 330. Fig. 402, Bucket Spray Pump.....$5.50
No. 331, Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Bemis & Call Co.'s:
Cast Steel Drive,.....50@55%
Check.....55%
Spring.....50&5%
Springfield Socket.....65%
Morrill's Universal.....35%
Niagara Hollow.....45%
Niagara Solid.....55%
Rand's Centering Marking Tool..25%
Rice's Hand.....15%
Saddlers' or Drive, good ₩ doz..60@65%
Spring, good quality, ₩ doz $1.70@1.80
Spring, Leach's Pat.....15%
Tinners' Solid, P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow, P. S & W. Co 20&5%

Rail—

Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.65 2.00
Barn Door, "None Better" No. 1. ₩ foot.....3¼c
Barn Door, "None Better" No. 2. ₩ foot.....2¼c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Carrier Steel Rail, ₩ foot.....4½c
Cronk's:
Competition.....₩ foot, 2¼c
Common.....₩ foot, 2½c
Double Braced.....₩ foot, 3½c
Lanes' O. N. T.....₩ 100 ft. $2.40
Moore's Wrought Steel.....35%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft 5c
Sliding Door, Wr't Brass, 1¼ in. ₩ ℔, 35c.....30&10@40&5%
Terry's Steel Rail, ₩ foot.....3½c
Victor Track Rail, 7c ₩ foot, 60&10&2½%

Rakes—

Cast Steel, Association goods.75&15%
Fort Madison Red Head Lawn, $3.25
Ft. Madison Blue Head Lawn, $3.00
Gibbs':
Acme.....net ₩ doz. $4.05
Boss, Garden, 14 teeth, net ₩ doz. $2.60
Boss, Garden, 18 teeth, net ₩ doz. $2.75
Canton Lawn Rake...₩ doz. $3.50
Crown Lawn, No. 1....₩ doz. $2.50
Hustler, No. 0.....₩ doz. $2.20
Lawn Rake.....₩ doz. $4.75
Malleable.....70&10@75%
Onaida Lawn.....doz., $4.00
Peerless Socket and Shank..75&15
Prize Bow-Brace.....75&15%
Queen City.....33⅓%

Razors—

Electric.....List net
J. R. Torrey Razor Co.....30%
Wostenholm and Butcher, $10.00 to $.....10%

Registers—

HOT AIR—

Ferrosteel, Japanned.....8 &10%
Ferrosteel, Nickelplated.....75&10%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

American Screw Co.:
Bay State Rivets..... ...75&5%
Burrs.....75%
Soft Steel.....30%
Copper.....60&10&5@60&10&10%
Norway, list Feb. 28, '95.....70%

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Rivet Sets—

Regular list.....70@70&10%

Rollers—

Barn Door, Sargent's list..60&10&10@70%
Cronk's:
Acme Barn Door.....50%
Adjustable Stay..₩ doz. $1.00 net
Screw Stay.....₩ doz. 60c net

Rope

Cotton Rope, Best, ¼ in. and larger.....₩ lb 14½@15c
Medium, ¼ in. and larger.....₩ lb 13 @13c
Common, ¼ in. and larger.....₩ lb 9½@10c
Jute Rope.....₩ lb 5½c
Manila:
7-16 in. and larger..₩ lb 6½@6¾c
⅜ in.....₩ lb 6¾@7 c
¼ and 5-16 in.....₩ lb 7¼@7½c
Hay Rope, Med.....₩ lb 6½@6¾c
Sisal, ½ in.....₩ lb 5½c
¼ and 5-16 in.....₩ lb 5¼c
7-16 in. & larger.....₩ lb 4¾c
Med. L'th Y'rn.....₩ lb 4½c
Hay Rope.....₩ lb 4½c

Rules—

Athol, Steel.....33½&5
Boxwood..5&10&10&10@50&10&10 &10&10%
Ivory.....50&10@50&10&10%
Lufkin's:
Steel.....55%
Lumber.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—

Chinese Laundry.....₩ lb 4½@5c
Chinese Sad.....3½@3½c
Colebrookdale Iron Co.:
Crown, Improved Pol, ₩ doz. $8.50
Nickel.....₩ doz. $7.00
Common 4 to 10.....₩ lb 2½@2¾c

COLD HANDLED—

Enterprise Mfg. Co. of Pa.:
No. E 50, nickel plated, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.45
No. E 50, nickel plated, size 1, 2 or 3 without handles, ₩ doz. $4.45
No. E 55, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.00
No. E 55, plain polished, size 1, 2 or 3 without handles, ₩ doz. $4.00
No. E 60, nickel-plated, size 1, 2 or 3 with "best" handles, ₩ doz.....$8.25
No. E 60, nickel-plated, size 1, 2 or 3 without handles, ₩ doz. $5.25
No. E 60, nickel-plated, size 4, with "best" handles, ₩ doz $9.80
No. E 60, nickel-plated, size 4, without handles, ₩ doz.....$6 80
No. E 65, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.75
No. E 65, plain polished, size 1, 2 or 3 without handles, ₩ doz. $4.75
No. E 65, plain polished, size 4, with "best" handles.....$6.80
No. E 65, plain polished, size 4, without handles.....$4.80
The "Best" Handles, with Forged Iron Stretchers, ₩ doz.....$6.00
Self-heating.....₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $22.50, 25%
Sensible Nickel.....₩ doz. $7.00
Sensible Pol.....₩ doz $6.50
Sensible, Tailors'.....₩ lb 3@3¼c

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Emery Cloth.....50&10@60%
Garnet Paper.....30@35&5%
Sand and Emery Paper..50&10@60%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%

Sash Cord—

Cable Laid Italian Sash.....₩ lb 16c
Cable Laid Russia....₩ lb 13½c@14c
Common.....₩ lb 8½c@9c
Common Russia Sash..₩ lb 12½c@13c
India Hemp Sash.....₩ lb 9½c@10c
Jute Sash quality.....₩ lb 11c
Samson:
"Mass." White, Cotton.....34c
"Samson" Braided White, Cotton.....₩ lb 30c
"Samson" Braided Drab, Cotton.....₩ lb 35c
"Samson" Braided Italian Hemp.....₩ lb 35c
"Samson" Braided Linen, ₩ lb 55c
Silver Lake:
A Quality, Drab..₩ lb 55c. 35@40%
A Quality, White, ₩ lb 50c. 35@40%
B Quality, Drab, ₩ lb 35c..... 15@15&7½%
B Quality, White ₩ lb 30c..... 15@15&7½%
White Cotton Braided, ₩ lb 25c@30c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts Flush.....70%
Sash Lifts With Lock.....50&10&10%
Sash Rollers.....70%
Shutter Bars.....30&10@70%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....60%

Sash Locks—

Champion Safety.....70&10&5%
Corbin's Daisy, '95 list.....40@45%
Davis, Bronze, Barnes Mfg. Co...60%
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Ives' Patent....60&10&5@60&10&10%
Payson's Perfect.....70%
Reading.....60&10&10@70%

Sash Weights—

Small lots.....₩ ton, $30.00@$31.00
Ton lots at factory.....$18.00@$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
National Specialty Mfg. Co.....25%

Saws—

Atkin's:
Band.....50&10%
Butcher, Pruning and Compass.....40&10%
Circular.....50&10%
Cross Cut.....40&10%
Gang.....50&10%
Hand.....40&10%
Wood.....40&10%
Disston's:
Circular.....45@50%
Cross Cuts.....40&10%
Gang.....45%
Panel, Hand & Rip.....25%
Haines' Needle Point.....40%
C. E. Jennings & Co.'s:
Butcher.....30%
Hand Panel, Rip and other Saws 25%
Peace:
Cross Cuts.....45&10%
Hand Panel and Rip..... 25&10%
Richardson:
Circular and Mill.....45&10%
X Cuts.....45&10%
Hand-saws.....25&10%
Star, Butcher.....25%
Woodrough & McParlin Cross Cuts.....45&10%

HACK SAWS AND FRAMES—

Chatillon.....30%
Griffin's:
Complete.....40&10%
Saw Blades.....40&10@50%
Star, Saws and Blades.....25%

Saw Frames—

C. E. Jennings & Co.....20%
Red, Polished and Varnished...₩ doz., $1.00@$1.10
Richardson's Wood.....net
White Vermont..₩ gro. .$8.50@$9.00

Saw Sets—

Atkin's:
Criterion Saw Sets, ₩ doz.....$6.00
Excelsior Saw Tools ₩ doz....$6.00
Bemis & Call Co.'s:
Cross Cut.....30&5%
Hammer, New Pat.....45%
Plate.....20%
Spring Hammer.....30&5%
Disston's Star.....25@25&10%
Hart's Pat. Lever.....20%
Kohler's:
"Giant Royal".....₩ doz. $10.00
"Royal".....₩ doz $6.00
Leach's.....33½%
Morrill's:
No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Cross-cuts Nos. 3 and 4, $26.00; No. 5, $31.00.....40&20%
Richardson's.....25%
Seymour Smith & Son, Hammer, ₩ doz.....$4.75
Stillman's ₩ doz.....$1.00
Taintors Positive...$18.00 ₩ doz. 60%

Scales—

Chatillon's:
Eureka.....25%
Favorite.....40%
Grocers' Trip Scales.....50%
Family, Turnbull's.....30@30&10%
Hatch:
Counter, No. 171, ₩ doz. $17.00@ $18.00
Tea, No. 161.....₩ doz. $5.75@$6.00
Union Platform Plain...$2.00@$2.10
Striped.....$2.15@$2.25

Scale Beams—

Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%
Scale Beams, List Jan. 12, '89.50&10%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $3.00.....40&10%
Box, 1 Handle.....₩ doz., $3.00
Box, 2 Handle....₩ doz., $3.00@$4.00
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60@60&5%
Extension.....50&10&5%
Flyer.....50&10&5%
Perfection Screens.....60@60&5%
Window Screen Frames.....60&5%
Stearns':
Frames and Corners....25@25&10%
Gem Window Screen Frames, 25&10%
Monarch Adjustable Window Screens.....50%

Screen Doors—

Phillips:
Empire Fancy.....30&25%
Fancy Pine.....15%
Painted.....50&5%
Stained.....50&10%
Standard Oil.....35&40%

Screw Drivers—

Brace Screw-Drivers.....25&10&5%
Buck Bros.....20%
Screw-Drivers Bits.....27½%
Champion.....40&10%
Disston's.....50@50&5&10
Pat. Excelsior.....50&5%
Ellrich's Socket and Ratchet.40&10%
Fray's Hol. Hdle. Sets, No. 3, $12.50
Howard-Allard.....50&10&10%
C. E. Jennings & Co.....40&10%
Jennings & Griffin.....65&10%
Wm. Johnson's:
1o5 A.....70&10%
135½ Extra.....70%
128 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20 and 40.....50@50&10%
Screw-Driver Bits....₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $6.25
N. E. Specialty Co.'s.....50&10%
Stanley R. & L. Co.'s:
No. 64, Varnished Handles. 70&10%
No. 66.....75&10%
Tower & Lyon:
Champion.....33½%
"Handy" Ratchet.....25%
Williamson's:
Beauty, ₩ doz.....$1.00 } 40%
Gem, ₩ doz.....90c }
C.T. Williamson Wire Novelty Co.40%

Screws—

WOOD SCREWS—

Brass, Flat Head.....90%
Brass, Round Head.....85%
Bronze, Flat Head.....87½%
Bronze, Round Head.....85%
Copper, Flat Head.....65%
Copper, Round Head.....60%
Drive Screws.....90%
Iron, Bright Flat Head.....90%
Iron, Br't R'd & Oval Head.....85%
Iron, Forged Flat Head.....90%
Nickel Plated, Flat Head.....80%
Nickel Plated, Round Head....77½%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....60%

MACHINE—

Brass, Flat Head.....45%
Brass, Round Head.....40%
Iron, Flat Head.....45%
Iron, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron, ₩ doz., 1 in., $2.75; 1¼, $3.00; 1¼, $3.50
Bench, Wood, Beech, ₩ doz $3.00@$3.20
Chair.....60&10%
Coach.....82½%
Hand Rail Atm. Screw Co.....82½%
Hand Rail, H. & B. Mfg. Co.....80%
Hand Rail, Sargent's....70@70&10%
Hand, Wood.....30&10@40%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W..40@40&10%
Jack Screws, Sargent's.....75%
Jack Screws, Stearns'.....40&10%
Lag Blunt Point, list Jan. 1, 1890. 75&20@80&10%
Piano Stool.....60&10%

Scroll Saws—

Barnes' No. 1, $8; No. 6, $10; No. 7 $15.....25%
Barnes Scroll Saw Blades.....40%
Cricket.....10&10%
C. E. Jennings & Co.....30%
Lester, complete, $10.00.....12½&10%
Rogers, complete, $4.00.....15&10%

Scythes—

Grain.....60&10%
Grass.....60&10%
Scythe Snaths.....50&10@50&10&5%

Seeders—

Raisin, Enterprise.....25%

Shaft Couplings—

Bradley's:
Buggy, No. 8, ₩ Set.....$1.25
Surrey, No. 9, ₩ Set.....$2.00

Shears—

Acme (Cast).....40@40&5%
Ætna, Steel Japanned.....40&5%
Ætna, Steel Nickeled.....70&10%
Barnard's Lamp Trim'rs, ₩ doz. $3.75
Clauss:
Nickel.....60%
Japanned.....70%
Davenport Cutlery Co.'s...60@60&10
Heinisch's:
St. Trimmers, etc...60&10&10@70%
Tailor's Shears.....30&10@40%
Pruning. See Pr'ning H'ks & Shears.
Seymour's List, Dec., 1891. 60&10@60&10&10%
Wiss & Sons:
Japanned.....70%
Nickeled.....60%
Tailors' Shears.....60&10%
Tin Snips.....45%

Sheaves—

SLIDING DOOR—

Corbin's list.....67½&10&5%
Hatfield's Pattern.....70&10@60%
M. W. Co., list July, 1892.50&10@50&5%
Moore's Anti-Friction.....60%
Patent Roller.....60&10@60&10&5%
R. & E., list August 15, 1895. 60&10@60&10&5%
Russell's Anti-Friction, list Dec. 18, 1895.....60&5%

SLIDING SHUTTER—

Reading list.....60%
R. & E. Mfg. Co.'s.....60@60&10%
Sargent's list.....60@60&10%

Shoes, Horse, Mule, &c.—

HORSE—

Bryden's Frog Pressure.....$4.00
Burden's, Perkins', Phœnix and Bryden's, from jobb'rs..$2.15@$2.40
Perkins Steel Side Weight Hind $2.15@$2 40
Perkins Improved Snow.....₩ lb 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ lb 9c
1000 lb lots.....₩ lb 9½c
500 lb lots.....₩ lb 10c

Shot—

See Ammunition.

Shovels and Spades—

O. Ames & Sons:
O.S. Edge.....60@71½%
Pat. Cast Steel.....71½@10%
Blair's Cast Steel.....5%
Bouve's Steel.....10%
Carter's Cast Steel.....5%
Sanderson's Cast Steel.....5%
Stone's Cast Steel.....6%
H. M. Myers and other manufacturers are now selling at Association discounts.

Shovels and Tongs—

Brass Head.....60&10@60&10&10%
Iron Head.....60&10@60&10&5%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $10@11.50

Skate Sharpeners—

Eureka...₩ doz. $1.75; ₩ gro. $18.00

Slaw Cutters—

Enterprise.....25%
Enterprise Mfg. Co.....25%
Tucker & Dorsey:
1 Knife.....₩ gro. $15.00@$18.00
2 Knives.....₩ gro $20.0 @$27.00
Kraut Cutters.....50@50&10%
Woodrough & McParlin.....40%

Slicers—

Vegetable, Enterprise.....25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Cockeyes.....70&10%
Covert Mfg. Co.....45&5@50%
German, new list .40&10@40&10&10%
Fitch's (Bristol).....50%
Sargent's:
Patent Guarded.....70&10&10%
Covered Spring.....60&10%
Open Spring.....70@70&10%

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Covert Mfg. Co:
Breast Strap Buckle Snaps
Breast Strap Protector....
Double for Bits or Trace Carrier.....
Loop Eye.....
Loop Eye, Swivel.....
Open Eye.....
Round Eye.....
Round Eye, Swivel.....
45&2% @50%

Covert Saddlery Works:
Banner.....60&20%
Triumph.....60&20%

Spoke Shaves—

Bailey's (Stanley R. & L. Co.) 50&10%
Iron.....₩ doz. 50&10%
Millers Falls.....15&10%
Seymour Smith & Sons, Iron.....20%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%
Wood.....₩ doz. 25&10%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10@30%
B. B. Noyes Meat Forks..30&10@60%
Buffalo S. S. & Co.....33⅓&2%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Holmes & Edwards Silver Co..60%
L. Boardman & Son.....Catalogue "B"—net List
Meriden Brit. Co. Rogers Bros.40&15%
C. Rogers & Bros.....40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....60%
Simpson, Hall, Miller & Co.....60&5%

MISCELLANEOUS—

Boardman's:
Britannia Spoons, Catalogue "B".....net List.
Nickel Silver, Catalogue "B" net List
Britannia.....60&10%
German Silver.....60&10%
German Silver, Hall & Elton..50& 5% cash
Wm. Rogers Mfg. Co.:
18% Rogers' German Silver...60&5%
28% Rogers' Nickel Silver....60&5%
Rogers' Silver Metal.....50&10&5%

Springs—

See Door Springs.

Squares—

Disston Try Square and T Bevels. 60&10%
Starrett's Micrometer Caliper Squares.....25%
Try Square and T Bevels.60&10&5 @60&10&10%
Winterbottom's Try & Mitre.50&10%
Nickel-Plated..
Steel and Iron.. } 75&10@75&1' &10%

Stair Rods—

Black Walnut.....60%
Brass, Oval or Hollow.....50%

Staples—

Barbed Blind—⅛, ⅝, and ¾ inch, ₩ ℔.....6c@6½c
Grand Crossing Tack Co. List: 75&10%

Stocks and Dies—

BLACKSMITH'S—

Butterfield's Goods.....35@40%
Gardner.....33⅓&10%
Lightning Screw Plate.....25%
Reece's New Screw Plates.....25@30%
Waterford Goods.....3.@40%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stove.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March, '95. 5% cash. Market irregular and lower prices on some lines.
American Cut Tacks.....90&10%
Carpet Tacks:
American, Blued....90&10@90&10%
American, Tinned...90&10@90&20%
Leathered.....50&10%
Steel.....90&20%
Swedes, Lanc.....85&10%
Swedes, S. S.....90&20%
Swedes Iron Tacks:
Lanc.....85&10%
S. S.....90&10&5%
Basket Tacks.....75&10%
Basket Nails.....80%
Bill Posters' and Railroad Tacks:
S. S.....90%
Brush Tacks and Nails.....75&15%
Chair Nails.....80%
Cigar Box Nails.....75%
Common and Patent Brads.....80%
Finishing Nails.....75%
Gimp Tacks:
Lanc.....85&10%
S. S.....90&15%
Hungarian Nails.....85&5%
Lace Tacks.....85%
Lanc.....80&20%
Looking Glass Tacks.....70%
Picture Frame Points.....70%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Trunk and Clout Nails:
Black.....80&5%
Tinned.....80&5@80&10&5%
Upholsterers' Tacks:
Lanc.....85&10%
S. S.....90&15%

MISCELLANEOUS—

Bill Nye Brad Box.....₩ box $4.00
Bill Nye, Jr., Brad Box..₩ box $2.00
Bonnie Blue.....₩ box $1.50
Can Opener Carpet Tacks.₩ gr $4.00
Double Point..90&10&10&10&10&10%
Hammer Carpet Tacks...₩ gr. $4.50
Miniature Keg Tacks..66⅔&33⅓&5 10&10&2%
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓&5 10&2%

Tack Pullers—

Columbia, No. 1, per doz., net,....$1
" " 2, " " 1.50
Little Jack.....₩ doz. $1.00

Tapes, Measuring—

American.....40&10@50%
Chestermans.....30@3 &5%
Keuffel & Esser Co 25%
Lufkin's Steel and metallic.....40%

Taps—

American Screw Co.
Machine Screw.....70%
Blacksmiths' Taper.....50&10@60%
Hand and Machine.....50&10@6 %
Pipe.....80%

Telephones—

Union Electric Co.:
Letter A, Complete....each, $10.00
Letter B, for Warehouse..each, $8.50
F. o. b. cars Cleveland.

Tin, Perforated—

Harrington & King Perforating Co.:
IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.50	$1.55
2	$9.00	$1.55
3	$8.25	$1.35
4	$7.75	$1.30
5	$7.50	$1.20
5½	$7.25	$1.20
6	$7.00	$1.15
7	$7.00	$1.10
8	$6.75	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&10&5%

Tobacco Cutters—

National Specialty Co.....30&5%

Trammel Points—

Backus and Union.....40%
C. E. Jennings & Co., "Eureka".25%
Cook's.....25%
Sargent's.....70&10@70&10&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Preatiss'.....20@25%

Tracks, &c.—

F. E. Myers & Bro.:
Comb. Car., Double Steel T...$3.50
Comb. Car., Wood Track....$3.25
Common 6 in. Wood Sheave Pulley, Fig. 433, ₩ doz.....$1.65
D. H. Fork, Steel Regular, e'ch .75
Double Grapple Fork, each...$3.25
Double Rail Steel Track complete with clamps, ₩ ft..... .09
Faultless Steel Frame K. P Pulley, Fig. 435, ₩ doz.....$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ₩ doz.$1.75
Floor Hooks, ¾ in. ₩ doz. ... .65
Floor Pulley, Wood Sheave, Fig. 436, ₩ doz..... $3.00
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz..... .55
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz.$2.00
Malleable Rafter Brackets, ₩ doz ..... .45
Nellis Fork, each.....$1.50
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
New Myers Iron Rod Car.....$2.75
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz. $2.25
Rev. Car., Double Steel Track $3.50
Rev. Car., Wood Track.....$3.25
Rope Hitch ₩ doz.....$1.75
Single rail Car, Single Steel T.$3.50
Single Rail Steel Track with clamps, ₩ ft..... .09
Sprouts Shear Fork, each....$1.40
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1.50
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Walker Fork, each.....$1.15
Wrought Rafter Brackets, ₩ doz..... .45

Transom Lifters—

Ajax.....50&10@50&10&5%
Bronze Metal, with Safety Spg. 5 @ 0&10%
Crescent.....7.@7 &10%
Dicksons.....60%
Nickel Plated.....50&10%
Payson's Solid Grip, Nos. 3 3 and 304.....₩ 100, $12.00
Shaw's:
Copper Finished.....8 &10%
Lever.....70@70&10%

Traps—

GAME—

Blake's Patent.....60@60&10%
Enterprise Mole.....15%
Newhouse.....40&10@50&5%
Oneida Pattern.....75&5@75&10%

MOUSE AND RAT—

Enterprise Mfg. Co., Mole..... 15%
Rare Rat.....40@40&10%
Household.....₩ gr $10.00
Hotchkiss:
Metallic Mouse.....₩ doz. 65c
Improved Rat.....₩ gross, $12.50
New Rat.....₩ gross, $12.50
Mouse, Bonanza....₩ doz 90c@$1.00
Mouse, Catch-'em-alive ₩ d z $2.50,15%
Mouse, Delusion.....40%
Mouse, Ideal.....₩ gr $9.00
Mouse, Round Wire, ₩ doz $1.50, 10%
Mouse, Wood, Choker, ₩ doz holes 10c@9c
Schuyler Rat Killer, No. 1 ₩ gro., $13.50; No. 2 ₩ gro., $15.00
Smith & Egge Mfg. Co:
Superior Rat Trap, ₩ doz....$15.00
Yankee Mouse Trap, ₩ doz.. $5.50
Yankee Rat Trap, ₩ doz.....$11.00

FLY-

Balloon, ₩ doz $1.35.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ doz., $2.25; ₩ gr. $13.50
Harper....₩ doz., $1.75; ₩ gr. $16.50

Trowels—

Brade's Brick.....35@33⅓%
Disston's:
Brick.....30%
Plastering.....35%
Pointing.....30%
C. E. Jennings & Co.:
Brick..... 30%
Plastering.....25%
Pointing.....30%
Wm. Johnson's:
Brick.....40%
Plastering.....40%
Pointing.....40%
W. & McP. Plastering....35@25&10%
Peace's Plastering.....25@25&5%
Richardson.....25@25&10%
"Rose" Brick Plastering and Moulders.....30@30& 10%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vegetable Slicers—

Enterprise Mfg. Co. 25%

Vises—

Solid Box.....50&10@60%

PARALLEL—

Alligator 30%
Armstrong's:
Combination.....50%
Plain and Hinge.....60%
Athol, Oval Slide.....60&10%
Bonney's Champion.....45@45&10%
Fisher & Norris Double Screw 15&10%
Holland's.....40@40&10%
Howard's.....4 &10%
Little Giant Bench.....35&10&5%
Lowell Hand.....33⅓%
Massey's Quick Action .....20@25%
Merrill's.....20&15%
Millers Falls, Mechanics'...net@10%
Moore's.....20%
Parker's.....20@25%
Oval Slide.. .....50&10%
Victor..... .....30%
Prentiss.....20@25%
Sargents.....7 &10%
Simpson's Adjustable.....5%
Stephens'.....20@30%
Trenton.....40&5@40&10%
Wilson'.....55%

SAW FILERS—

Bonney's Nos. 2 & 3, $15.00.....60%
Stearn's Com., No. 0, 1, 2, and 3..50%
Stearn's Rubber Jaw, Nos. 10 and 33.....33⅓%
Wentworth's.....35%

Wads—

See Ammunition.

Wagon Jacks—

Covert's Saddlery Works:
Victor.....60&20%
Daisy.....60&20%
Lane's Steel 30%

Washer Cutters—

Otis A. Smith's.....20&10&10%

Weather Strips—

Church's:
Axtell, Lacquered, 36 in. ₩ doz. $5.00
Axtell, Lacquered, 42 in. ₩ doz. $7.00
Axtell, Pol. Brass, 36 in. ₩ doz. $12.00
Axtell, Pol. Brass, 42 in. ₩ doz. $15.00

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $3.50@$12.00

American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft. $10.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
Americus, 98 Pen Whip, 6 ft., $6.00
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
Eureka, Two-thirds Whalebone 5½ ft., $15.00; 6 ft., $16.50 6½ ft. $18.00; 7 ft., $20.00.
Gents' Light Driving, No. 111, 6 ft.....$6.00
Gents' Light Driving, No. 106, 6 ft.....$5.0
Hand-Made Stocked Java, No. 108.....5½ ft., $3.75; 6 ft., $4.0
Hardware Assortment 10 | American, 75 Whips for.....$50.00
New Name, Stocked Java, Black and Wine Colors.....6 ft., $5.00
Team Whips....₩ doz $2.00 @$7.50
True Grip, Raw Hide Center, 4½ ft. $5.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.

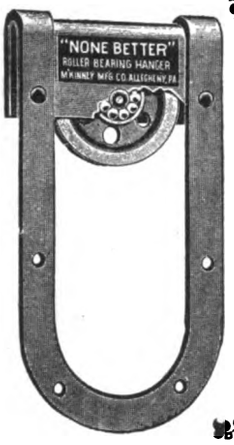
Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—

Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Brass Wire.....85%
Bright Wire Goods. Standard list 85&10@85&1' & 5%
Cast Steel Wire.....50%
Copper Wire.....45%
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&10%
Malin's Brass and Copper on Spools.....50&10%
Market Wire:
Brt. & Ann., Nos. 0 to 18..80@80&10%
Cop'd, Nos. 0 to 18, 75&10@75&10&5%
Galv., Nos. 0 to 18, 75&10@75&10&5%
Tin'd, Tinned list Nos. 0 to 18.... 75&10@75&10&5%
Picture Wire.....New list 85&10%
Steel Music Wire, Nos. 13 to 30, Imported, ₩ ℔.....60@70c
Stub's Steel Wire.....$6.00 to $ 80%
Tate's Spooled Wire:
Annealed and Tinned.....60&10%
Copper and Brass.....50&10%
Tate's Wire Picture Cord Braided and Twisted.....85@10&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ ℔.....4½c
Wire Clothes Lines, see Lines.

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STEEL DOOR HANGERS.

WRITE FOR PRICES ON

No. 1 Special and No. 2 Standard.

THEY WILL INTEREST YOU.

Also Track and Stay Rollers.

McKINNEY MFG. CO., - Allegheny, Pa.

Wire Cloth, Netting, &c.—

Brass Cloth.....40@55%
Galvanized Wire Netting..80&10@80&20%
Painted Screen Cloth good quality, ₩ 100 sq. ft.,$1.10@$1.20
Steel Bolting Wire Cloth.....30@55

Wire Rope—

List.
Cast-steel.....2½&2½&2½ cash
Iron.....20&2½&2½ cash
Iron, Galvanized..20&2½&2½ cash

Wire Rope Clips—

Crosby.....25%

Wire Stretchers—

W. C. Heller's Grip.....₩ doz. $1.50

Wrenches—

Acme:
Bright.....60@60&10%
Heavy.....50%
Nickel.....50&10@60%
Agricultural.....80@80&10%
Aiken's Pocket (Bright)..$2.00@3.20
Alligator.....60@60&10%
Always Ready.....33⅓&50@40%
American Adjustable.....40@40&10%
Armstrong's.....40%
Baxter's.....65@65&10%
Bemis & Call's:
Brigg's Pattern.....30&10%
No. 2 Cylinder or Gas Pipe.....55%
No. 3 Pipe, Bright.....60%
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Boardman's.....30@33⅓%
Champion Carriage.....40%
Cincinnati Tool Co:
Bit.....&10%
Standard Brace.....25 &10%
Coes':
Genuine.....40&10&5&5&3%
"Mechanics'."....40&10&10&5&5&3%
Pattern Wrought.....30&10%
Donohue's Engineer.....40&10%
Eagle Pipe.....50&10%
Expert Bicycle.....33⅓&10%
Girard Standard.....65&10@70%
Hall's Pipe.....50%
Hercules.....70&10@75%
Lamson & Sessions':
Engineers'.....60@30&10%
Standard.....70&10%
Lowell:
Lag Screw.....25%
Ratchet.....33⅓%
Socket Bridge.....30%
Stillson Pipe.....45%
Taylor Pipe and Nut.....40%
Trimo Combination.....40%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
J. H. Williams.....25%
Yankee.....45%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1894, 2%
Colby Wringer Co., list May 1, 1894, 2%
Lovell Mfg. Co., list July 2, 1894...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%
Peerless Mfg. Co., list Feb., 1892...2%
NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in barrels..₩ gallon.....36c
Linseed, City, Boiled, in barre's ₩ gallon.....32c
Out of Town on Spot..₩ gal.....30c
Calcutta, Raw, in bbls....₩ gal. 50c
Lard, Prime City.....₩ gal. 40@42c
Western, Prime.....40@41c
Extra, No. 1.....32@33 c
No. 1.....30@32c

Paints and Colors—

Barytes, Foreign, ₩ ton, $15.00@$18.00
Barytes, American Floated, ₩ ton $23.00@$32.00
Barytes, American, No. 1 ₩ ton, $9.00@$10.00
White Lead, American, Dry, in Bbls. ₩ ₤.....4¼@4¼c
White Lead, American, in Oil, ₩ ₤.....5¼@5¾c
White Lead, Foreign, in Oil, ₩ ₤ 6@7c
Litharge, Kegs, ₩ ₤.....5¼@5¼c
Zinc, American, Extra Dry, ₩ ₤ 3¾@4¼c

Putty—

In bbls. and half bbls.....1¾@1¾
Putty in Bladders.....1¾@2
Putty in Tins.....1¾@2¼

Spirits Turpentine—

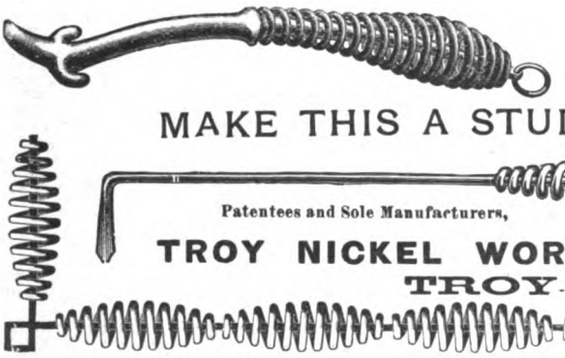
In regular bbls.....27½@—c
In machine bbls.....27½@—c

Dry Colors—

Blue, Chinese.....₩ ₤ 37 @40
Blue, Prussian.....₩ ₤ 30 @35
Blue, Ultramarine..₩ ₤ 8 @35
Sienna, American, burnt.....₩ ₤ 1½@ 1¾c
Sienna, American, raw.. .....₩ ₤ 1¼@1¾c
Umber, American, burnt.....₩ ₤ 1½@ 1¾c
Umber, American, raw.....₩ ₤ 1½@ 1¾c
Green, Chrome, Common.....₩ ₤ 5 @12 c
Green, Paris, in bulk, ₩ ₤ 12 @15 c
Indian Red, American.....₩ ₤ 2 @ 3 c
Indian Red, English.....₩ ₤ 4½@9 c

Colors in Oil—

Black Coach Japan ₩ ₤..18½@20 c
Black Coach Japan in Oil.....₩ ₤ 12 @13 c
Black Drop.....₩ ₤ 7 @10 c
Black Lampblack...₩ ₤ 20 @33 c
Black Lampblack, common.....₩ ₤ 7@15 c
Blue, Chinese.....₩ ₤ 35 @40 c
Blue, Prussian.....₩ ₤ 30 @40 c
Blue, Ultramarine..₩ ₤ 12 @18 c
Brown, Sienna, bur't ₩ ₤ 7 @10 c
Brown, Sienna, raw. ₩ ₤ 7 @10 c
Umber, burnt.....₩ ₤ 7 @10 c
Umber raw.....₩ ₤ 7 @10 c
Brown, Vandyke....₩ ₤ 7 @12 c



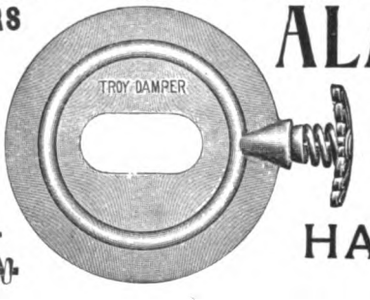
ORIGINATORS

MAKE THIS A STUDY.

Patentees and Sole Manufacturers,

TROY NICKEL WORKS,

TROY N. Y.



ALASKA STOVE HARDWARE.

RESULTS ARE SO SATISFACTORY.

Capewell Horse Nail Co., Hartford, Conn. [*Horse Nails*]: We have been liberal advertisers in your journal for years, and the results are so satisfactory that we expect to be much more liberal for years to come.

PLEASED with RESULTS.

John N. Hager, Fort Atkinson, Wis. [*Fork, Shovel, Rake and Hoe Brackets*]: Am well pleased with the results of my advertisement in HARDWARE.

"WE ARE RECEIVING GOOD RESULTS."

Clayton & Lambert Mfg. Co., Ypsilanti, Mich. [*Gasoline Fire Pots and Paint Burners.*] We are receiving good results from the advertisement which is running in your paper, and bel eve the service which you are giving us, is extra good. We trust that our relationship for the coming year will be as pleasant and profitable as have those of the past, and feel very confident that it will.

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Hardware or other Salesmen Who Travel

Will receive a hint on that important subject:

"HOW CAN I INCREASE MY INCOME?"

By sending name and address to

"HARDWARE,"

143 Chambers Street,

NEW YORK.

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Perforated Filter Press Plates.

THE HARRINGTON & KING PERFORATING CO. CHICAGO.



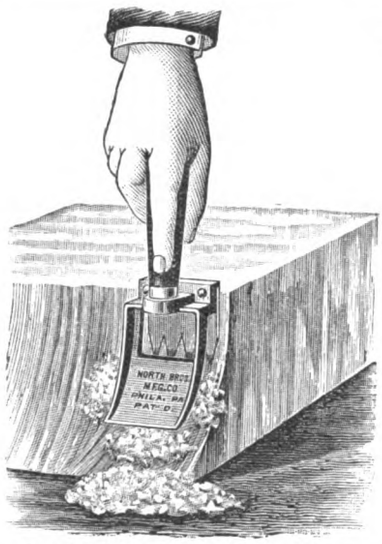
BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS, BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, Etc.

STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

Main Office and Works, No. 240 North Union St., Chicago, Ill., U. S. A. Eastern Office, No. 284 Pearl St., New York.



ASK YOUR JOBBER FOR THEM.



CROWN ICE CHIPPER

FOR CHIPPING ICE FOR FREEZERS, SODA FOUNTAINS, BARS, RESTAURANTS, ETC.

GEM ICE SHAVE

TO SHAVE ICE FOR COOLING DRINKS, FRUITS, VEGETABLES, and for making SNOW BALLS.

MANUFACTURED BY

NORTH BROS. MFG. CO.,

New York Agents, John H. Graham & Co., 113 Chambers St. PHILADELPHIA, PA.

In Our Line of Elevators and Hoists



We have a Hand Elevator especially adapted for use in stores, warehouses, etc., and we are sole manufacturers of

The Philadelphia Dumbwaiter.

Send for catalogue. . .

Energy Manufacturing Co.,

411 Cherry Street, PHILADELPHIA, PA.

THE COLUMBIA SAFETY.

Self-Retaining Dumb Waiters



Elevators,

Cellar Lifts and Speidel's Safety Hoists. . . . . .

Manufactured by

J. G. Speidel,

Send for Catalogue. READING, PA.



Cleveland Electrical Mfg. Co.,

Manufacturers of the

AMERICAN WATCHMAN'S TIME DETECTOR.

ELECTRICAL SPECIALTIES.

General Electrical Contractors.

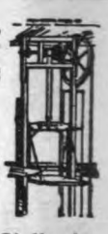
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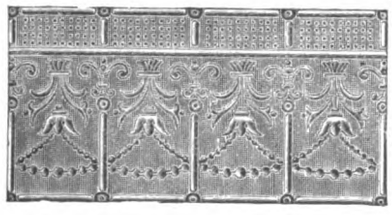
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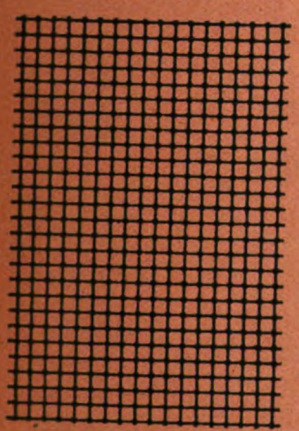
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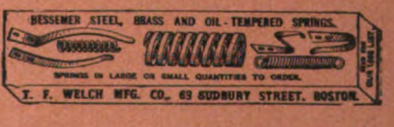
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MADE OF WROUGHT STEEL, BRONZE & BRASS

BOMMER SPRING HINGES ARE UP TO DATE.

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ALL NEWS.

HARDWARE

HARDWARE EXCLUSIVELY.

A Review of the American Hardware Market.

Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. XV. No. 3. New York, May 10, 1897. $1.00 A YEAR



MAGNOLIA METAL

IN USE BY

Ten Leading Governments

BEST ANTI-FRICTION METAL FOR
All Machinery Bearings.

MAGNOLIA METAL CO.,
OWNERS AND SOLE MANUFACTURERS,
266-267 West St., - New York.
Chicago Office, Trader's Building
No 49 Queen Victoria St., London, E. C
For sale by all dealers. Send three cents postage for 15-inch brass rule. Mention this paper.



ATLAS COAT AND HAT HOOK.

BRADLEY SHELF BRACKET.

Strongest and Lightest. Low in price. Handsome. Send for sample.

FIRM, RIGID AND STRONG.

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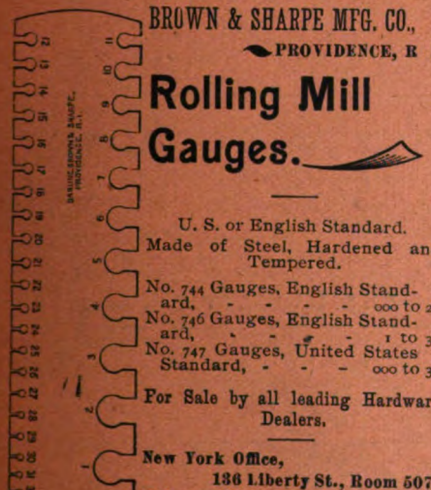
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U. S. or English Standard. Made of Steel, Hardened and Tempered.

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For Sale by all leading Hardware Dealers.

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ANY DEALER knows that a Stove Polish which other manufacturers try to imitate, is the Polish for him to sell. The enormous sale of

Enameline
The Modern **Stove Polish**

Proves that dealers are friendly to it, and that consumers will accept no substitute for ENAMELINE. Why? Because it's

THE BEST!

"THE SURVIVAL OF THE FITTEST."

At the GRAND AMERICAN HANDICAP held at Elkwood Park, Long Branch, N. J., March 24 and 25, 1897,

U. M. C. PAPER SHELLS TOOK THE HIGHEST HONORS.

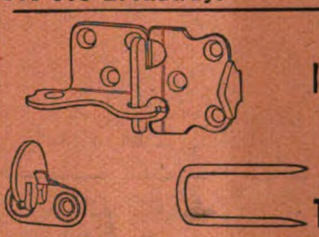
The Hon. Thomas A. Marshall, of Keithsburg, Ill., was the only contestant out of 134 shooters facing the traps who made a clean score of 25 birds. . . . . .

HE USED U. M. C. TRAP SHELLS.

Of the remaining 33 other prize winners, 27 used U. M. C. SHELLS. The result of this contest speaks volumes for the quality of U. M. C. Goods.

A sample of the kind of shell used by the winner of the first prize will be sent upon application.

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Stanley's
Improved Steel Gravity Blind Hinges for Wood.
BEST IN THE WORLD.
THEY WILL NOT BREAK.
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Our Bitstock Drills are made with SOLID SHANKS and cost no more than inferior makes. Sell "STANDARD" only.

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SPORTING POWDER.
See top page 3.

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Improved Tapping Machines.
SCREWS
Machine screws for electrical purposes. Sample box free.
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SAMSON & MASSACHUSETTS. Brands.

Send for Samples **Samson Cordage Works,** BOSTON, MASS.



HIGH GRADE RUBBER GOODS.



OUR NAME AND BRAND A GUARANTEE OF QUALITY.

BELTING, PACKING, TUBING, SPRINGS, VALVES, GASKETS, MATS, MATTING, HOSE.

Send for Catalogue, Samples and Prices.

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IF YOU USE
Power Hammers
Write to us for Circulars.
THE SCRANTON & CO.,
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Cost a trifle more than other brands, but are cheaper in the end on account of their superior quality and workmanship. . . . . .



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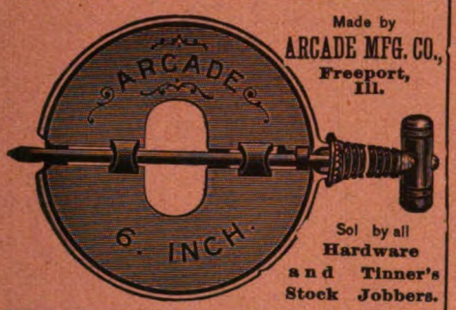
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Plain and Galvanized Wire.

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Wire Straightened and Cut to length.



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Ask your jobber for it.

IT DRAWS THE CORK

—twists it out with ease. Saves all the customary pulling and bothering.

WALKER'S SELF-PULLING
CORK SCREW No. 5
with wire cutter.

Is best of all. . . . .
Invaluable to everyone.

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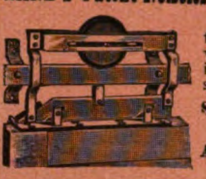
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DOOR HANGER.



ANTI-FRICTION.
MOST COMPLETE IN CONSTRUCTION.
MATERIAL THE BEST.
NO BREAKAGE.

Ease of Movement. Always in Order.

LANE'S Patent Noiseless Steel Parlor Door Hanger.



Hanger is made of steel throughout, including wheel, except interior filling which deadens the sound.

Single Steel Track Instead of Double Wood Rail.

Ask Your Hardware Dealer and send for Circular.

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High Grade
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Large variety, adapted to every class of work.

Patent Sewed Buffs.

The finest in the world.

We are the largest manufacturers of Buffs in the United States. . .

Write for Catalogue and prices.

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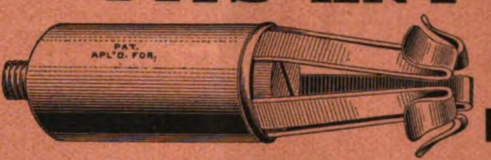
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Eighteen Different Styles. None Better Made. For Cutting Glass Tubes, Circular or Straight Work.

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The ONLY Level to be depended upon all the time, and it SELLS. . . .

You can send for one or a dozen. Just to try them. Fully warranted.

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WILLIAMSON'S
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Pulls the Cork out of the Bottle.

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Orange Extra Sporting,

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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Of a quality to meet requirements of U. S. Army and Navy.

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Latch and Hinge

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The Years Have Proved Their Value

Their One Fault :

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Simple, Durable and Cheap. Arranged to work without any spring, on its own Automatic principles. Send for descriptive circular and prices.

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Unsurpassed for imparting a brilliant polish to

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It is particularly valuable for

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As it leaves no stains or discolorations. Samples, advertising matter and electrotypes gratis.

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¼ pint cans	(2 doz. in case)			$1.80	per doz.
½ "	3	"	"	3.00	"
1 "	2	"	"	6.00	"
1 quart can	2	"	"	10 80	"
½ gal.	"			18.00	"
1 "	"			36.00	"

Order as originally packed and get best discounts.

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$100 $100



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Made of **strong fiber, wound,** and **steel bound,** they do not split open, nor chip off at edges, neither do their truss bottoms warp, loosen or leak.

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"Standard" is the only Fiber-Ware having **hand-painted decorations,** which, with its other merits, makes it outsell all similar ware.

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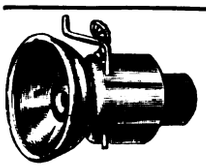


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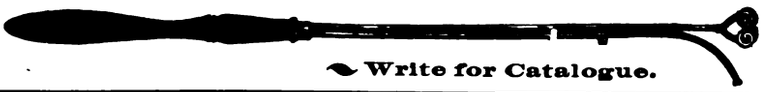
American Tin and Terne Plate, Sheet Iron. Sheet Steel, Solder, Conductor Pipe and Gutters, Acme Stove Pipe, Acme Dripping Pans and Four-Pieced Elbows. . . .

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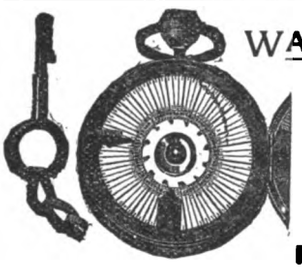


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WITH SAFETY LOCK ATTACHMENT.

Highest Award at Columbian Exposition.

This Clock is neat, thoroughly reliable and very durable. **Cannot be tampered with.** Price moderate. Is adapted for six or twelve stations, having a different key for each. Registering is done by number from 1 to 6 and 1 to 12, each station having its number. No chance for a fraudulent record here. Old style detectors mark by holes or an impression on dial, the same for all stations. Allowance made for old Detectors. Send for circulars, prices and further particulars.

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Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

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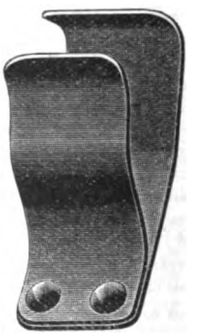
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EYELETS AND SMALL BRASS WARES

OF EVERY DESCRIPTION.



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Burton's Anti-Rattler.

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CANFIELD'S MOULDED RUBBER GOODS
RUBBER HEADED NAILS
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Buy lead pencils, carpenters' pencils, lumbermens' crayons, stove polish, graphite paint, lubricating graphite, belt dressing, crucibles and other graphite products of

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Who are the largest and oldest importers, miners and manufacturers of graphite, plumbago and blacklead in the world.



Smoke Pipe Register (Black) with **White Ceiling Plate.**

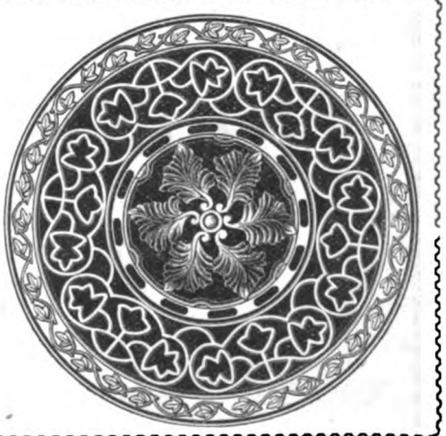
Indian Design Patented.

Showing Removable Cap for use when Smoke Pipe is taken down.

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Registers made of Ferrosteel are noted for Strength, High Finish and Excellent Workmanship.

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Our experience in the business, together with our unequaled facilities for manufacturing, enable us to produce a superior article, and thus to maintain the well-known reputation of **Chatillon's Spring Scales** as above that of other makes.

All our Scales are warranted to weigh accurately and to be perfect in workmanship.

FOSTER BROS.'
BUTCHER KNIVES, CLEAVERS, STEELS, &c.

TRADE MARK

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We have recently become interested in the manufacture of Pocket Knives, and solicit the trade of our friends on a first-class Pocket Knife, equal to any knife made, foreign or domestic.

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ESTABLISHED 1835.

85 to 93 Cliff St. and 12 Jacob St.,

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Make the slickest line of Hardware for Window Screens and Screen Doors. : : : : : :

See our big Catalogue for 1897.

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FACTORIES, READING, PA.

"Happy Thought" Tack Puller.



Patented.

Made of polished steel. Will pull all size tacks, and the construction and shape makes it easy to pull the tack without breaking the heads off. The bottom hook which serves as the lever in drawing the tack is also convenient to lift the carpet from the floor. One trial will prove that the "Happy Thought" is the best. The price, 10 cents brings it in reach of all. For sale by all leading Hardware dealers. This is a fine seller, and we will send a sample to the trade on receipt of a two-cent stamp. Manufactured by the

HIGGINS MANUFACTURING CO., 159 Pearl St, BOSTON, MASS.



ATHOL MACHINE CO.,

Athol, Mass., U. S. A.

Manufacturers of

Vises, Meat Choppers,
Mechanics' Fine Tools, &c.

Send For Catalogue.

Successors to Shepard Hardware Co. of Buffalo, N. Y.

In Blind, Shutter and Gate Hinges, Gate Latches, Frame Axle Pulleys, No. 25 Niagara, No. 26 Star, No. 30 IXL, No. 60 Square End, No. 35 Acme solid case with markers, and the Gem Machine Pulley from 1 3-4 in. to 2 1-2 in.

We also manufacture——

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IS THE BEST.

Strong and Substantial. Quick Acting.

TINNED ALL OVER.

LOGAN & STROBRIDGE IRON CO., New Brighton, Pa.



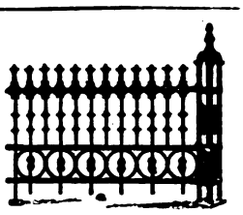
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Manufrs of Iron Fence, Jails, Architectural and Ornamental Iron Work.



IRON FENCES OF ALL KINDS



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Fire Escapes, Wire Fencing, Bank & Office Railings, Stable Fixtures, Roof Crestings, and all kinds of Wire and Iron Work.



Reservoir Vases.

Lawn and Park Settees, Fountains, Statuary, and Lawn Furniture of every description.

E. T. BARNUM,
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Mention this paper. Agents wanted.

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Grindstones,
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Axe Bits, &c.,

AT OUR BRANCHES

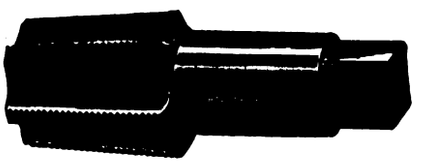
288 Front Street, New York, N. Y.
Chicago, Ill., Office Old Colony Building.
31 & 33 Sleeper St., So. Boston, Mass

THE CLEVELAND STONE CO.,

Hickox Building. Cleveland, O.

Hardware Dealers

Send us your address and we will mail Catalogue and discount sheet of STOCKS & DIES, TAPS, etc.



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The DANDY SINK CLEANER.

. . . A perfect and complete



Household Specialty.

A Sink Cleaner and Shovel Combined. . .

Tidy housekeepers will throw away the dirty sink broom and buy the Dandy Sink Cleaner on Sight . . . .

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

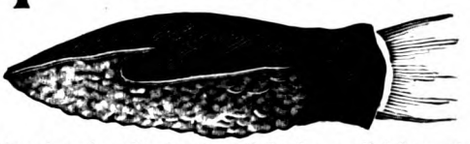
John W. Sudlow, 986 HALSEY STREET, BROOKLYN, N. Y.

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BUSINESS IS BETTER AND THERE WILL BE A LARGER DEMAND THAN EVER FOR OUR

Sheep Skin Mitten.



Acknowledged to be the best article for polishing stoves, as it does away with the old time dirtiness of the work, making this work a pleasure. Also invaluable for polishing brass or glass, or silverware, which it does not scratch. For tan shoes and cleaning bicycles it has demonstrated itself a conspicuous success.

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THESE Squeezers are strong, handy and well shaped for the use intended. . . Made of malleable iron, nicely tinned, in two sizes, 8 and 10 inches. Now is the time to order.

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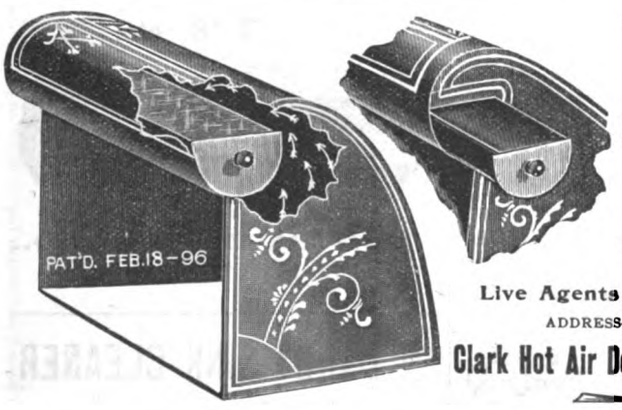
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Such as **Wire Nails Fence Staples, Plain and Galvanized Smooth Wire, Painted and Galvanized Barbed Wire.**

THE SALEM WIRE NAIL CO., Salem, Ohio.

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No more black on your walls.
No more dust in your rooms.

USE

Clark's Steam and Hot Air Register Bonnets.

Patented Feb. 18, 1896.

All others are infringements.

1900 Sold in Akron, Ohio, in three months.

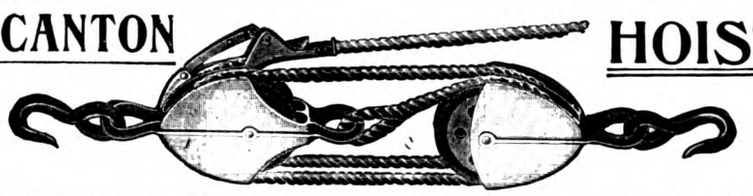
Live Agents Wanted in Every City

ADDRESS

Clark Hot Air Deflector Co.,

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The CANTON HOIST



Can be used perpendicularly, horizontally, and at any angle. . . .

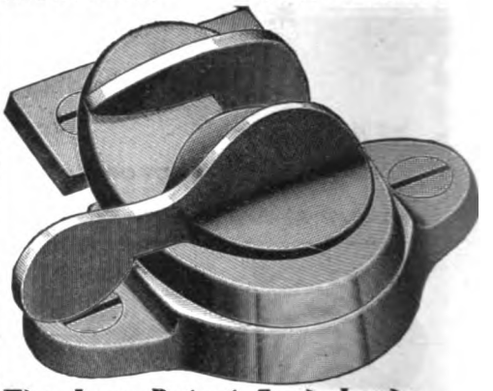
In factories of all kinds, foundries, quarries, mills and warehouses; also by contractors, carpenters, stone masons and all classes of mechanics. Manufactured by

THE NEY MFG. CO., CANTON, OHIO.

New Stamped Metal Sash Lock,

In Cold Rolled Steel, Bronze and Brass. In all the Popular Finishes.

LOCKS OPEN. LOCKS CLOSED.



The Ives Patent Sash Locks,

Have acknowledged superiority for the complete manner in which they perform the work they are intended to do. . . .

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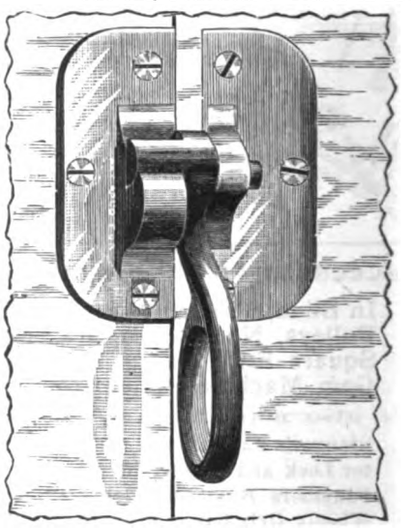
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The CONROY PATENT Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

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COULD NOT KEEP HOUSE WITHOUT IT.

Sickels, Preston & Nutting Co., Davenport, Iowa. [*Wholesale Hardware*]: We would not know how to keep house without HARDWARE. The review of the Hardware markets, trade reports and editorials are frequently read before letters are opened that are received in the same mail with HARDWARE.

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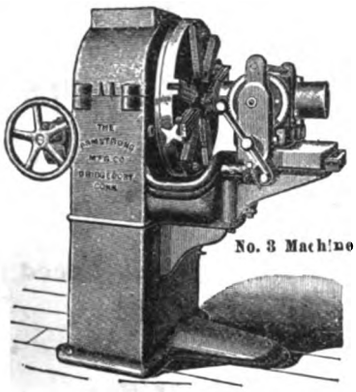
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PIPE THREADING & CUTTING OFF MACHINES, ADJUSTABLE STOCKS & DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—

THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



No. 3 Machine



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L. COES'

Genuine Improved

KNIFE HANDLE

PATENT

Screw Wrenches.

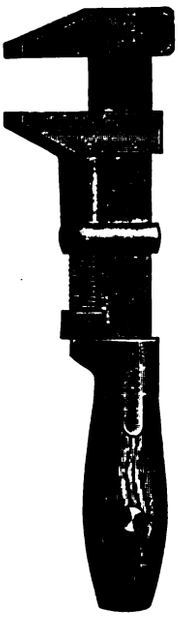
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WORCESTER, MASS.

Established in 1839. Registered April 9, 1895.

Patented Dec. 15 1891. Patented April 30, 1895.



Sectional View Illustrates our New Knife Handle, showing Manner of Construction.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

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If you want to know all about STEEL TRAPS and how to catch fur-bearing animals send to

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Limited,

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For Catalogue and Prices.

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UP-TO-DATE. HOLLOW STEEL BLOCKS.

As light as wood and much stronger. The only Steel Block where the straps extend down below the middle and the pin passes through them, and has edges and middles rounded to protect the rope. When bushed with Ford's Patent Self-Lubricating or Adjustable Five-Roller Bearing Sheaves they lead all others for cheapness and durability. To insure the best blocks always specify STAR BRAND. 1897 Complete Catalogue now in preparation. . . . . .

Boston & Lockport Block Co., Successors to Bagnall & Loud Block Co., Boston, Mass.

A MODEL CAN OF VARNISH.

The handsomest and most attractive can of varnish ever put on the market is being sold by the Glidden Varnish Co., of Cleveland, Ohio, who are one of the most enterprising and progressive varnish manufacturers in the country and the first varnish house to offer a high grade of varnish at an advertised low price, to be sold only in sealed cans, protecting the painter so that he may know that he is getting a standard grade of varnish, and just what it is going to cost him.

These varnishes are called M. P. Special Coach Varnish and M. P. Special Spar Varnish. The former is to be used on interior work and the latter on exterior work. The advantage of using both of these varnishes is that they can be left in the gloss finish or rubbed with either water or oil and pumice stone, giving much better results than the old-fashioned hard oil finish, as they produce a very elastic and durable finish and will not bloom. Both of these varnishes are put up in handsome cans with the label lithographed on the tin so that they cannot rust out or peel off, thus giving the dealer a can of varnish that will always look bright and nice, as the label can be washed off with soap and water and not be injured. These cans are also equipped with the new fulcrum cap and nozzle with inner seal, so that when the seal is broken the can has an air-tight cap, thus keeping the varnish in good condition and preventing evaporation.

Dealers should lose no time in putting in a stock of these varnishes, as they will sell on sight and they offer a liberal discount to the dealers, as they want them to act as distributing agents for both these specialties. The retail prices are as follows: M. P. Special Coach Varnish, in five-gallon cans, $1.25 per gal.; in one-gallon cans, $1.40 per gal. M. P. Special Spar Varnish, in one-gallon cans, $3.50 per gal.; in half-gallon cans, $1.90 each; in quart cans, $.95 each; in pint cans, $.50 each.

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NORWALK, OHIO.



Awarded the Medal at Atlanta Exposition

Incorrodible Steel Hitching Post, ornamental and lasts a lifetime.

Automatically takes up slack of chain.

Freedom and comfort for animal. Safety and security for owner.

Ready Sellers.

Write for prices and secure exclusive agency for your city.

PHILLIPS SCREENS

Are Reliable.

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MAKE NO MISTAKE.
40 years' reputation is guarantee enough as to the high standard of the
BEST SAWS MADE.

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OPERATING
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WHEELER MADDEN & CLEMSON MFG. CO.
HARVEY W. PEACE CO.
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Write for Lists and Prices.

THE NATIONAL SAW CO.
NEWARK, N. J.

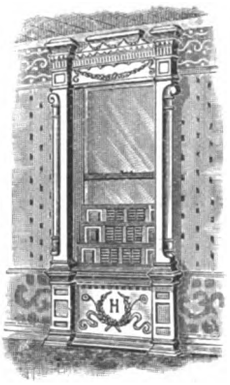


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Blacksmith's DRILLS.
Hand or Power
Fast or Slow Speed
Self Feed
ALSO . . .
Silver's OLD LINE
Hand Drills.
Silver's Power Post Drill
Cut Gears, Lever Feed, 19 inch Swing.

Silver's Power Base Drill,
Cut Gears, Combined Lever and Wheel Feed, Round or Square Base, 20 inch Swing. . .
The last two drills are supplied with counter-shafts, and are suited for new work or repairs.

THE SILVER MFG. CO.,
SALEM, OHIO.

Hartman's Patent Inside Sliding Blind.



It is the most popular Blind in America; more convenient, 25 per cent. cheaper than the hinged blind, and will last double the length of time. The only blind that gives universal satisfaction. Tens of thousands are in use. Architects are specifying them on their merits. . . . . .

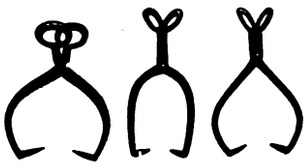
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Hartman's System of Window and Door Screens is very superior. . . . . .
Send 6c. in stamps for new 100-page illustrated catalogue, or send for free circular. Address . . .

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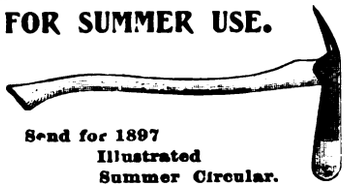
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ICE TONGS,

Axes, Chisels, Hand Saws, Scales.
And all varieties of
ICE TOOLS FOR SUMMER USE.



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RE-INFORCED TRAYS.
SOLID FRAME.
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McNEIL'S PATENT BALANCED AUTOMATIC DUMP CHARGING BARROW.

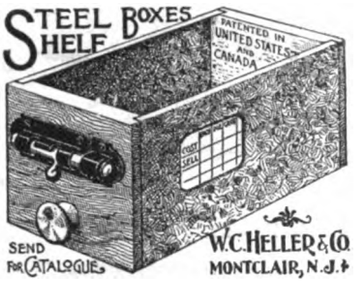


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The Steel used in these Files is manufactured by our own steel works. They are cut by skilled mechanics on our own improved machinery, hardened by a special process which insures an even temper.

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TRADE MARK.



GOULD'S

STEAM & WATER PACKING

Never sticks the Throttle.

The Original Ring Packing.

In ordering give EXACT diameter of Stuffing Box and Valve Stem.

None genuine without this Trade Mark.

THE GOULD PACKING CO.,

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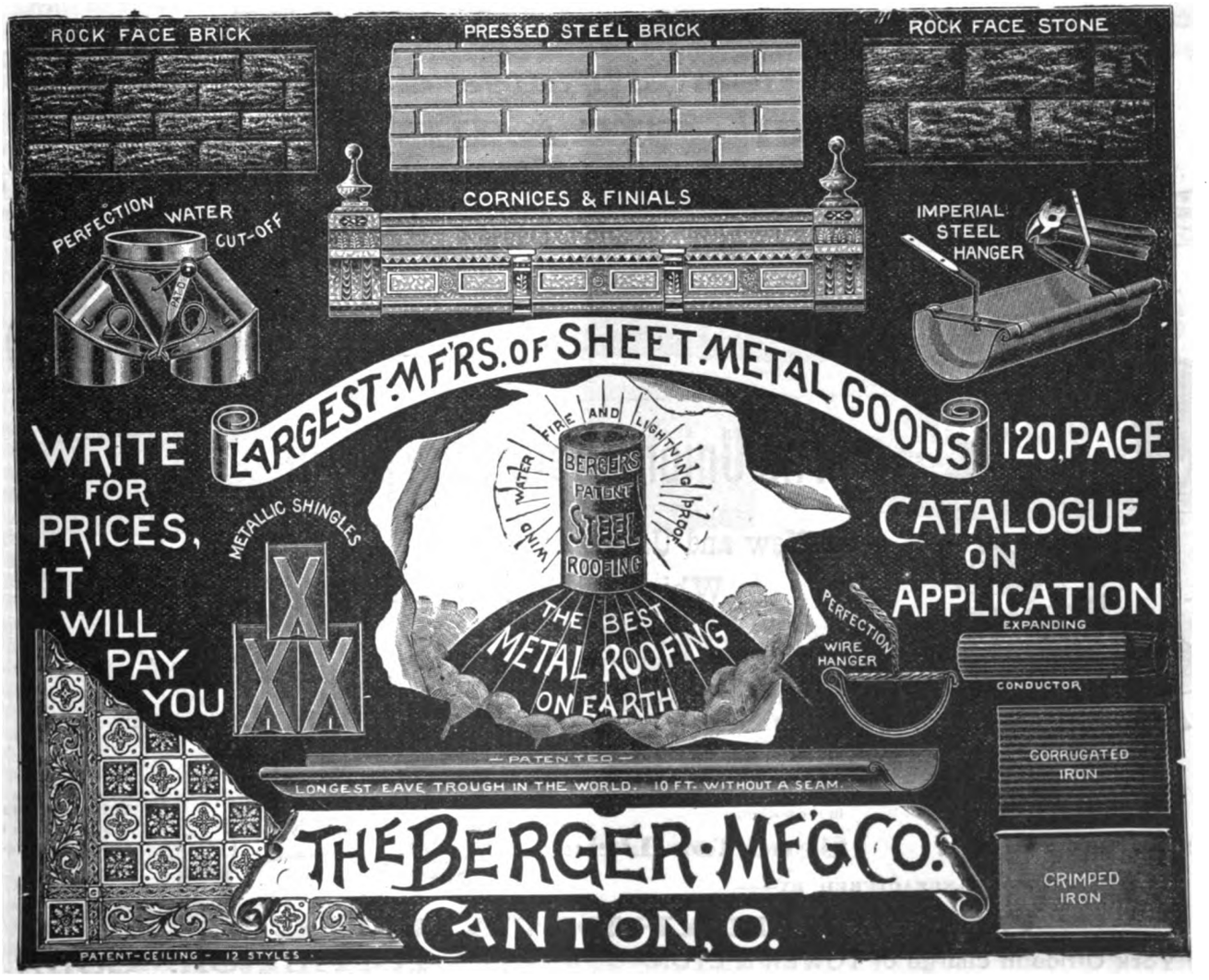
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GLASS CUTTER and COMBINATION TOOL.

Maker of  16 Styles.

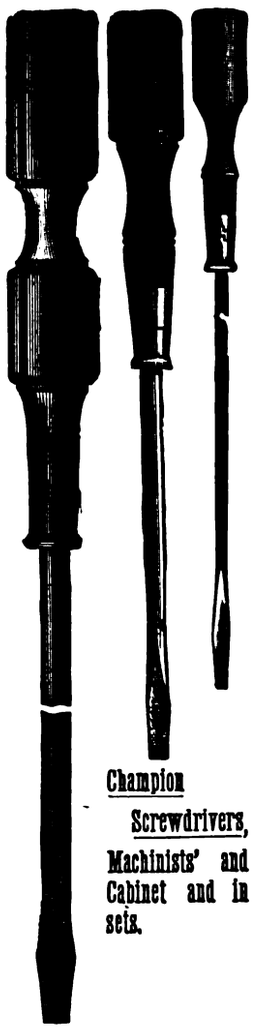
. . . MANUFACTURED BY . . .

THOMAS J. ANDRESS, **Box 612, Philadelphia, Pa.**

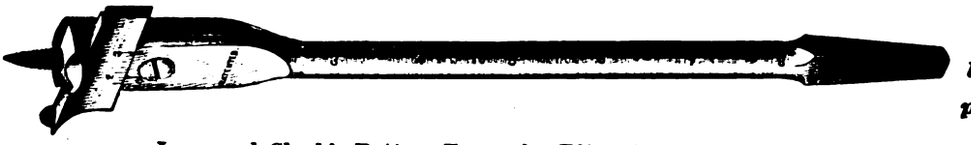


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Carpenters and Machinists' Tools.

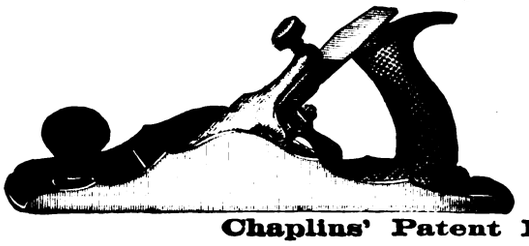


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.



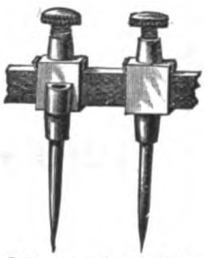


Corrugated Face.

Chaplins' Patent Iron Planes.







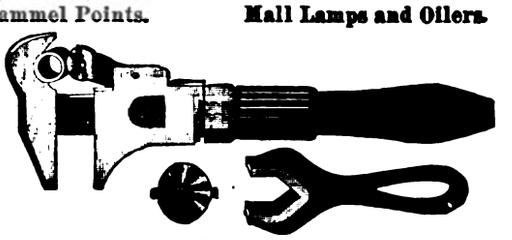




Unique Levels for Sqr. Plumb Bobs and Trammel Points. Mall Lamps and Oilers.



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TOWER & LYON,

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UNION HARDWARE CO.'S RACING SKATE,

CALLED THE

DONOGHUE RACING SKATE.

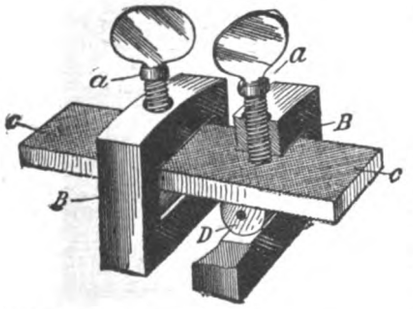
Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener

A New and Useful Article

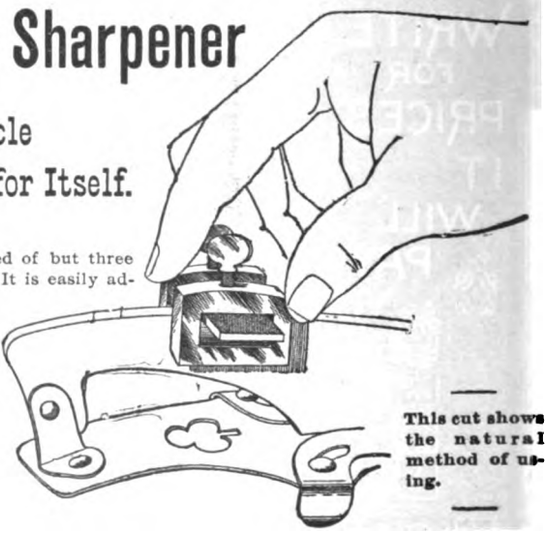
Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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Measuring Faucet.


Tobacco Cutter.

We Make Faucets

That measure a pint, a quart or a gallon accurately. A Barrel Drainer that adjusts automatically to fit in the bunghole. No bung borers needed and no molasses wasted. Coffee, Spice and Drug Mills that grind as you like it. Draw Cut Tobacco Cutters that do not squeeze through, but cut with ease. Our goods are second to none. All are fully warranted. Send for Catalogue to

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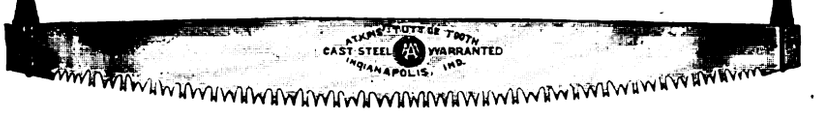


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No. 1 Mill.

E. C. Atkins & Co.,



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TUTTLE TOOTH.

The best saw in the world for the money. Fine Steel. Patent Temper. Why not supply your trade with the best saws, and buy the Atkins Brands? They're the best.

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Write for Price List and Trade Price.

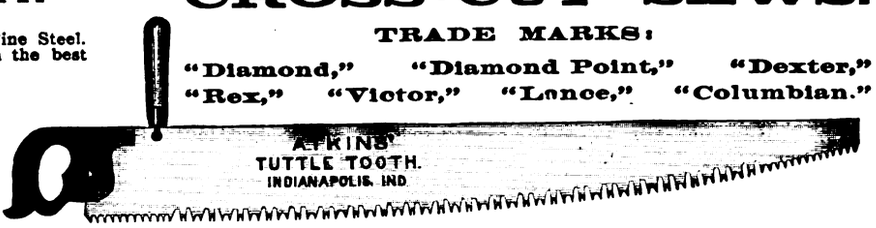
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CIRCULAR, BAND, CROSS-CUT AND HAND SAWS.

ATKINS' BRAND CROSS-CUT SAWS.

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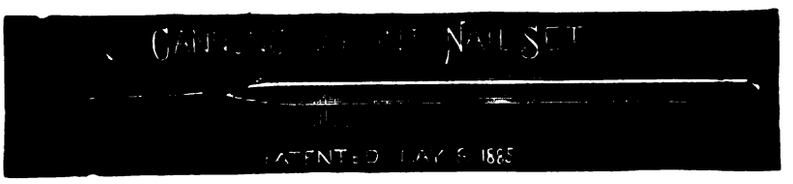
"Diamond," "Diamond Point," "Dexter,"
"Rex," "Victor," "Lance," "Columbian."



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For a short time only. In order to still further increase their sale and popularity, we will, for a limited period only, make a

BIG CUT IN PRICES IN THE CELEBRATED CANNON'S



DIAMOND POINT NAIL SETS.

Send to us for this special price now, and

REMEMBER

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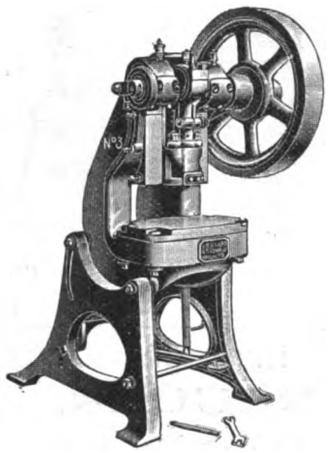
THE STORM MFG. CO.

John H. Graham & Co.,

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113 Chambers Street, - NEW YORK.

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VIEILLARD & OSSWALD,

Manufacturers of

PRESSES AND DIES AND SPECIAL MACHINERY

FOR THE WORKING OF SHEET METAL.

Dies for Sheet Steel Stampings a Specialty.

708-710 Jamaica Avenue, BROOKLYN, N. Y., U. S. A.

WRITE FOR PRICES.

STOP



Did you ever see the like?

Seven men on one ladder—and it a small Step Ladder too—and it would carry as many more if they could get on it.

You know it keeps the old style Step Ladder busy to carry one good sized man or woman without breaking down; and they last but a year or two at best. . . . . .

This Step Ladder Will Carry All You Want to Put On It,

and will last a lifetime if you treat it half decent. . . . . .

There is but One Step Ladder made for mechanics, and

THIS IS THE ONE.

We manufacture

Single Ladders, Extension Ladders, Single Bent Rung Step Ladders,

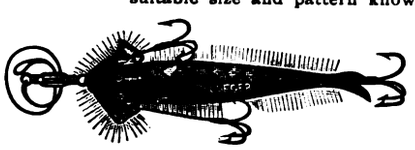
Which are all covered by patents.

No person else manufactures them but us. Write for Prices and Discounts.

Indiana Ladder Company, Indiana, Pa., U.S.A.

WITH PFLUEGERS LUMINOUS BAIT

You catch fish, while with others you might. Made in every suitable size and pattern known to modern anglers for



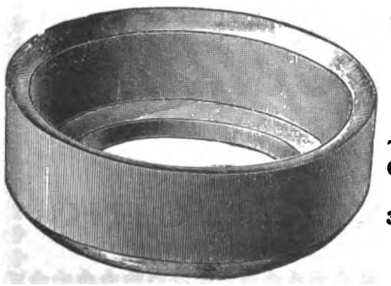
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Valve and Plunger Leathers.

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Special Leather Washers.

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Oil Well Valve Cups. Elevator Cups.

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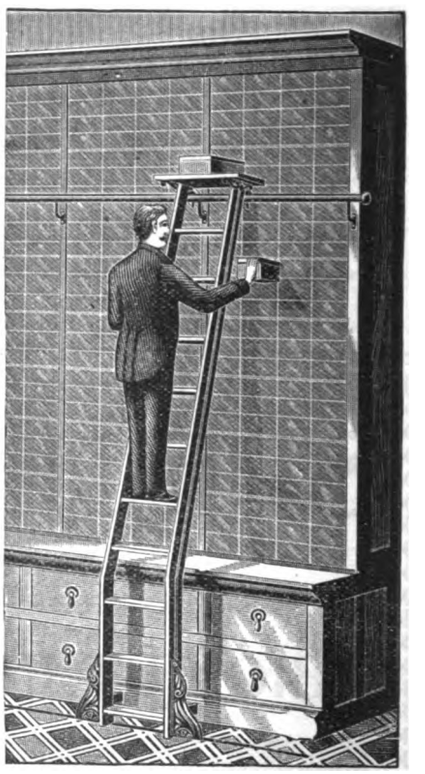
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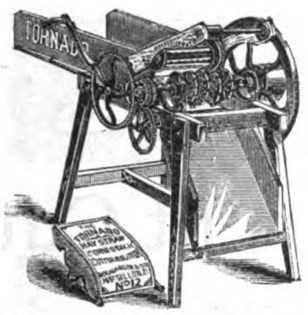
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Steam Plants with ornamental fronts for boilers. Furnaces for running factories, heating hotels and business houses.

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Made in ten sizes, from a small hand power size to a large horse or steam power size; they cut, split and thoroughly disintegrate the hardest corn stalks with or without the ears, and without additional attachments or additional power. Cuts all kinds of dry forage, i.e., hay, straw, sheaf oats, etc. Will do better and faster work than any other make. Our new **AUTOMATIC CARRIERS** can be attached to any of our Power Cutters. **Guaranteed the best working and most durable Cutters ever made. Farmers who use the Tornado save half their feed. FOR CUTTING ENSILAGE THE TORNADO HAS NO EQUAL.**

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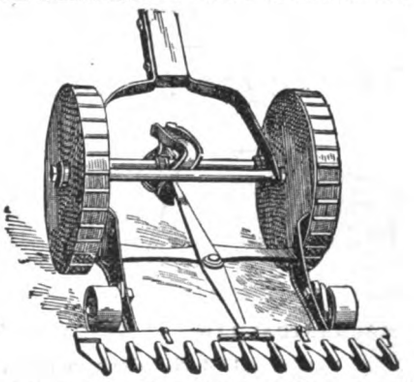
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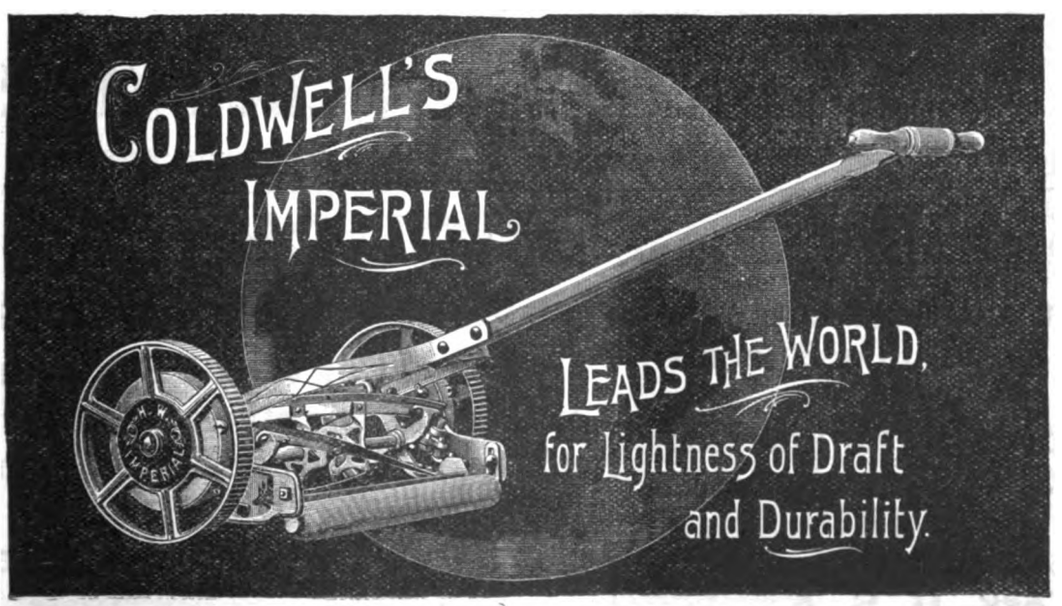


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MECHANICAL LID

Will mix and beat the stiffest kind of batter for cake and other purposes (mixing all the ingredients at one time), mash potatoes or other vegetables and fruits, whip cream, mix salad dressings, churn butter, etc., in fact will mix and beat all things requiring to be mixed or beaten in one-fifth the time and labor required now by hand. When the lid is removed all the working parts follow, being attached securely to it, thus leaving the contents of the pan free of obstruction. It is easily cleaned and will not get out of order. Prices quoted upon application.

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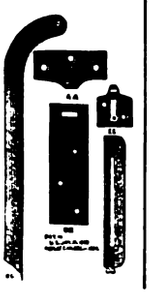
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How to Hang Entire Screens and Storm Windows.





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Wrought Iron Pipe, Cast Iron Soil Pipe, Water Closets, Brass Plumbing Goods, and everything else to plumb a house from cellar to garret.

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Manufacturers of

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Price Lists sent on application.

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Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

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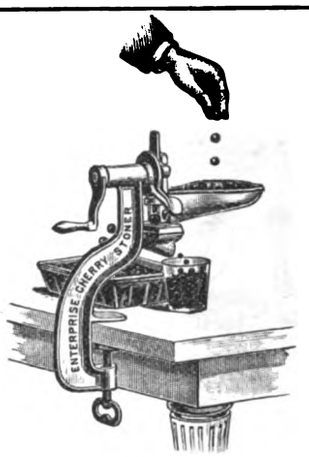
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No. 1, Japanned, $7.50 per doz.
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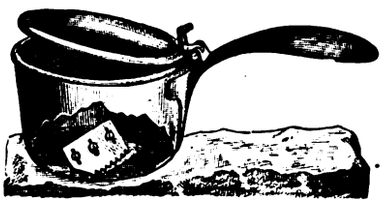
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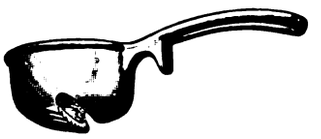
Our 1897 Catalogue
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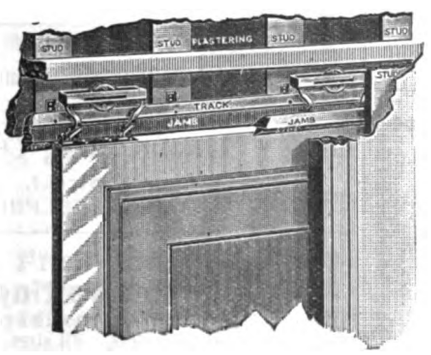


No. 33, Tinned $6.00 per doz.
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Stearn's Steel Parlor Door Hanger



IS the result of a twenty-year search for a perfect hanger. The Stearn's Hanger is of the single track, anti-friction type; principal parts of steel; perfect alignment; noiseless; each hanger independently adjustable; arranged in one-third the time required by others.

"The threaded hole in the hanger is countersunk so as to insure an easy entrance of the adjusting screw."

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Send for Circular and Price-List. Syracuse, N. Y.

You take no risk on the quality. We make only the best!

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SAND PAPER, EMERY PAPER,
EMERY CLOTH
CURLED HAIR.
FOUNDED 1828.
NEW YORK. BOSTON CHICAGO, PHILADELPHIA.

Sand Papers in Reams and Rolls
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HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators.

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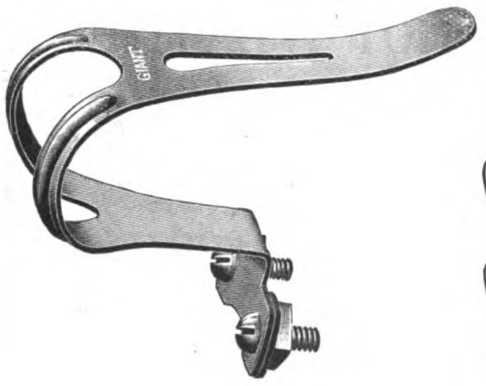
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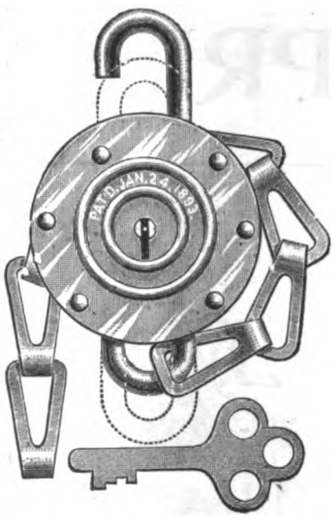
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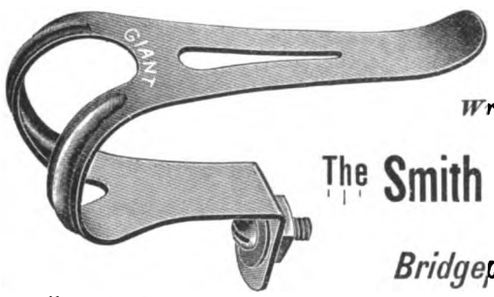
"GIANT" 2 Bolt Clip.



No. 12 Lock.



Sprocket Lock.

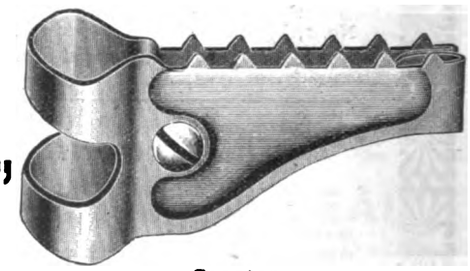


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For Underwriters' Uses and Fire Protection Generally.

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MANUFACTURERS OF ALL KINDS OF BELTING, STITCHED COTTON BELTING.

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Elevators & Hoists

We have a Hand Elevator especially adapted for use in stores, warehouses, etc., and we are sole manufacturers of

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Energy Manufacturing Co.,

411 Cherry Street,
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WAGON UMBRELLAS and BUGGY CANOPIES.

Everything in that line.
Our motto: "Keep a-goin'."
Especial attention invited to

Sprague's Patent Giant Frame Wagon Umbrella.

It is the Strongest Umbrella on the globe.
Write to us, and let us prove it.

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Norwalk, Ohio.



Dumb Waiters.....

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Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

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BROWN BROTHERS & CO.,

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Buy and Sell
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HARDWARE

VOL. XV. MAY 10, 1897. NO. 3.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade. Published the 10th and 25th of each month, by the HARDWARE PUBLISHING CO., No. 143 CHAMBERS ST., NEW YORK.

BRANCH OFFICES: CHICAGO, - - - - - ASHLAND BLOCK.
BOSTON, - - No. 33 EQUITABLE BUILDING.
CINCINNATI, - - - No. 316 VINE STREET.

Subscription, $1.00 per year. Subscription, Foreign, $1.50 per year.

JAMES H. KENNEDY, - Editor and Manager.
HENRY HOPKINS, - - Associate Editor.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted to the Hardware Trade.

Editorial Trade Review.

The increasing prospects for a genuine business revival continue throughout the country, and reports are favorable for a steady improvement in the present trade conditions. The absence of any very extensive orders being given to the manufacturers has had a tendency to keep prices well in hand, no material changes being noted that would affect the tone of the market. Dealers are buying in a safe and conservative manner, and this feature of business will be noticeable throughout the season, as the desire to heap up stock grows less in proportion as the summer dullness looms up in the commercial horizon. The marketing of specialties is growing more encouraging under pushing conditions than has been the case for a year or more, and the demand for improved tools is perceptibly stronger, indicating either present employment for hands previously idle, or else some field of labor in prospective. Builders' Hardware finds an increasing enquiry. Improvements affecting that line are becoming subjects for daily discussion, no doubt engendered by the condition of ease which the money markets of the country find prevalent in all financial centers. That of New York shows an excess above legal reserve of loanable capital beyond the fifty million mark, with loans "on call" at less than 1¼ per cent. among the unprofitable possibilities.

The results of the Grant Memorial Day special rebate on passenger rates by the various railroads converging toward New York city, had the most desirable effect imaginable, many buyers reaching the metropolis that for several years have been satisfied with stocks of goods purchased at points more accessible to their own cities. It is thought possible that similar concessions may be obtained at stated future periods, should the Governor sign the anti-scalping bill now in his hands awaiting approval. The changes that have been made in the tariff bill by the Senate, affecting the Hardware and metal schedules, excite but little, if any, unfavorable comment; they leave the impression that more revenue will result, although many articles are trembling on the verge of a positive prohibition, while representing classes of goods, the making of which is scarcely desired by our own factories. The successful opening of foreign markets made possible by the tariff now in force, with the increasing percentage in our exports of manufactured goods, has had its due effect, and the Solons of the Senate have listened to wise counsels which promise more favorable results in the development of revenue.

Bishop Potter on Economic Disadvantages.

We quote in another column the remarks made by Bishop Potter of our city, a few evenings since, at the annual supper of "The Church Association for the Advancement of the Interest of Labor."

What does Bishop Potter want? Does he desire to see the workingman thrust back into the condition surrounding him only a few decades ago, when the hours he labored were without compulsory limits; the factories he worked in were filthy, and lacking in healthful influences; when the absorbing interest of the employer, so feelingly referred to, was considered as so much additional compensation for poorly paid services, to lower which still further the employer too frequently used the large mass of the unemployed as a club with which to beat his own hands into subjection, thus creating a willingness to accept anything, and be satisfied they were alive?

To-day, as has been freely commented upon in the daily journals, no more exacting trust is in existence than that created by the combined labor interests, under the control of their various trades unions, who demand, with organized strength, a recognition impossible under the old conditions referred to.

To-day the workman has surrounding him in his domestic relations a condition of comfort and indications of an expanding culture, which forty years ago many men who were considered "well to do" were unable to enjoy.

Every addition of machinery to the factories of our workingmen lifts their horny hands above the drudgery, the positive slavery in a system of hand-labor; the machinery increases their skill, develops their inventive ability—in fact, makes men of them instead of beasts of burden, and should no more be deprecated by the minister of a Christian church in this enlightened age than to decry the type-setting machines that make cheap Bibles possible, and create educational impulses. To give utterance to the wild statement that machinery, by increasing his business capacity, exciting his ambition, and making him as it does in many inventive instances, the peer of his employer, was turning the laboring man into a simple idiot, is one of those exaggerated statements which, emanating from the undeveloped information of the pulpit, throws discredit upon formulated doctrines and devotional creeds.

The unskilled workman he saw "sitting on a bench," etc., etc, under old conditions might have been digging ditches, instead of the Italian shoveler that is now relegated to a class of employment from which this other workman, possessing a quicker intelligence and a readier use of his hands, had been promoted.

To argue that because of this workman being com-

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pelled to sit all day long doing work requiring special handling, while the machinery was performing the hard labor, should so degrade his perceptive faculties that he should drink, gamble and fight in the night time as a relief, betrays a lack of knowledge on the part of the venerable Bishop as to economic influences on the better life of an active man.

He is unwilling to admit the humanizing conditions made possible by organized labor; perfect factory plants and automatic machinery, all of which, associated with short hours and time for mental improvement, have made the American workman the pride of the world, and caused our perfect products to excite the wonder and astonishment of other nationalities possessing men enough, but lacking in these elements of advancement.

Every opportunity is given the workman in this country by conscientious employers constantly improving the condition of their men by labor-saving machinery, clean, warm and well-ventilated factories, that tend to elevate the laborer whether he works in the shop or the office.

The Bishop has been delving among the archives of the past, and is scarcely up to date as far as his own country is concerned. The conditions he comments upon in a manner worthy of John Most and his compatriots, apply more largely to the factories of Great Britain and the Continent than to the wide-awake proclivities of his fellow Americans.

The new inventions he speaks of that save money, are made and are owned by the workmen, whose well rewarded efforts, by developing all the possibilities of productive skill, have created them, and added by their increased product to the crowning glory of this manufacturing nation.

Does the worthy Bishop know that in our export trade alone, the increase in exports for the nine months ending March 31, 1897, was $143,435,547 as compared with an increase during the corresponding period ending in 1896, when it was only $51,587,693? In the large advance thus noted in our export trade, the percentage contributed by our manufacturing interests is represented by about twenty-five per cent. of the gross exports; for the month of March, 1897, this had reached thirty per cent. The hand even of the unskilled workman who "day after day, and week after week, shoved into the opening a small piece of iron, turned the metal two or three times, threw it into a large box and took another piece," undoubtedly did its share in shaking the supremacy of Europe in a field regarded as indisputably her own, and did it without being incited either to "drink, gamble or fight."

In what country more than this does the laboring man "make the capitalist respect his rights?" They don't have to "stand on their feet" as the Bishop suggests and "holle;" they simply appeal to the walking delegate, and the hum of industry in the entire city stops on the instant, when the fiat goes forth with its imperative demand.

If the worthy Bishop—whose desire to benefit the laboring classes is not called into question—has nothing better to give "The Church Association for the Advancement of the Interest of Labor" than language such as given in the extract quoted by us; language that tends to excite an antagonism between the beneficent interests of both employer and laborer, the reverend gentleman in the language of Josh Billings, "must either have a poor auger or else he is boring in the wrong spot."

Greater New York.

The population of the city of New York, according to the police census of 1895, is 1,851,060. The population of Brooklyn, according to estimates based upon the State census of 1892, is 1,142,728. The population of the future Borough of Queens, as estimated in 1896, is 46,502 for Long Island City, 22,500 for Flushing, 24,500 for Jamaica, 25,000 for Newtown, and 8200 for part of the town of Hempstead, or about 127,000 in all. The population of Staten Island was estimated at 65,000 in 1896. The aggregate population of the Greater New York is therefore substantially 3,165,000. The total assessed valuation of property in Greater New York last year was $2,599,967,089, of which $1,975,928,987 was that of the present city. The aggregate cost of administration is about $65,000,000 a year; total debt, $217,000,000.—*New York Times.*

New Departure Prizes.

The prize gold mounted bell, in the New Departure clipping contest for April, was won by W. O. Pearson, Garland, Ohio.

Twenty-six daily prizes were awarded, one for each day, and the interest and enthusiasm continues unabated.

The opportunity to get one of these high grade bells, free, should be improved by everyone, and readers of HARDWARE are advised to enter the contest. Some one gets a bell every day and captures a gold mounted bell each month. Why not you? Address reply to The New Departure Bell Co., F. A. Southwick, advertising manager, Bristol, Conn.

A Business Opportunity.

To an enterprising young man of good capacity, and possessing sufficient capital to ensure success, we know of a fine opening in one of the most flourishing cities in New England, possessing a trading population tributary to it of 75,000 inhabitants. A new block in course of erection, with all modern improvements, will be ready for occupancy on July 1st, one store of which is reserved for a Hardware business exclusively. This might prove the chance of a lifetime. Those interested, address "New England," P.O. Box 618, New York City, N. Y.

R. L. Woodruff and Mr. Perry, of Toledo, representing the Harris Toy Co. of that city, were among the recent visitors to the Hardware Club of New York. They are manufacturers of the Perry Pneumatic Bicycle Saddle, and think that in the 1897 model they have constructed a saddle which comes nearest to the "flowery beds of ease" sung of in the church hymn, of anything this side of the happy spheres.

The Great Western File Works, of Beaver Falls, Pa. operated by the Nicholson File Co., are at the present time extremely busy, and for some time past have been increasing their working force as rapidly as good men acquainted with their business could be secured. This would seem to indicate that these files are substantially growing in popularity with both the trade and consumer.

A good polish for aluminum is obtained by dissolving one ounce of borax in one quart of water and adding a few drops of spirits of sal ammoniac.

Old glass bottles, which are more or less useless, are now ground up and employed as a substitute for sand in the preparation of mortar

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HE DISCOURSES ON VARIOUS THINGS

Editor Hardware: You write me that some comment has been caused by my modest communication in your columns of a recent date—especially that the president of the New York Hardware Club seems a little misty as to my personality. This surprises me. If my friend McCartee will remember for a moment the many tons of his goods that I have purchased in years past, he will also remember that our friendship *hinges* on something substantial; that he cannot *bolt* from the track of friendship in that way; nor make a *butt* of me! On, Stanley, on!

I like to visit New York. The manner in which business is there done, reminds me of home—it is so different. Over in the next town I have an old friend who keeps a general store. He carries one garden rake in stock—of an antiquated pattern, and a moldy, war-time price. A customer who needed a rake objected to the price.

"Well," said the old man, crossly, "yon can take it, or leave it, just as you please."

"You don't seem very anxious to sell goods?" said the customer.

"I don't know as I am 'tarnal anxious to sell that rake,' was the answer. "If I do, *I'll only have to order another one.*"

We have a merchant in this town who is just the opposite. He will do anything to make a sale. He is very learned (in his mind) and great in his use of Latin. He was talking to the Widow Smeed about her boy. "How much Henry reminds me of his poor, dear father," said he. "Why, he's the 'Squire's very *face smile.*"

This merchant had a half-dozen of the most prominent ladies of our county seat in his store, and was weighing them on his scales. A short, stout German woman came in, and the merchant said, "Now, Mrs. Schmitt, let's see what *you* weigh."

The scale hung at 210.

"My gracious, Mrs. Schmitt," said the merchant, "who would have thought you would weigh that much!"

"Vell," was the answer, "you see I vas fat *vhere you don't see.*"

But I have drifted away from my theme, which was the difference between New York business methods and those here. We get down to the store at seven in the morning; go home for an hour and a half at noon, for dinner; take an hour for supper at six, and shut up at nine at night. In New York, I learn that you get to the office at ten A.M.; take two hours for lunch, and go home at three, at a salary of five thousand a year! No wonder that New Yorkers have so much time for deviltry.

I called on a prominent Hardware merchant some months ago. He seemed to be very glad to see me, and after a time the conversation drifted around to bores. "They don't stay long with *me,*" said the merchant.

"How do you get rid of them?" I asked.

"I just touch a bell button with my foot," said he, "and there is a sudden call for me, and I slip out, and stay out."

Just then a red-headed boy thrust in his head and said, "Mr. Blank, they want to see you in the back office, right off."

I left.

Some of my friends have been poking fun at me, because I referred to a widow, in my previous communication. I can stand it. Widows are nice, everywhere. Those up here are of a special brand. They are as playful as kittens, and as lively as cats. No grass grows under their feet.

There was a young fellow in our town, who was in love with a girl. He could have secured her, had he stepped up like a man, and asked her. But he was bashful, and put it off. The other chap—who was a sort of energetic, Harry C. Marshall sort of fellow—came in ahead, popped the question, and married her. After a couple of years of bliss, he died, and went to that place which begins with an "H."

Our young man was determined not to get left this time. When the widow drove home from the cemetery on the day of the funeral, he was on the porch. As she came up he said: "Henrietta, I waited too long the last time, and lost you. Will you be my wife?"

"Oh, George," said she, "I'm so sorry. You're too late again. *The undertaker asked me at the grave!*"

I have learned some things in the course of a long business life, and still have a great many others to learn.

But the chief thing I have learned, can be condensed into one nugget of wisdom, in three words: Talk it over.

If thy business enemy offend thee, don't smite him on the cheek. Take him by the button hole, in a friendly manner, and talk it over.

Someone tells you that Smith, down the street, has said or done something to your detriment. Perhaps he has, and perhaps he has not. If he has, your best policy is to prevent his repeating his remark or deed in the future. If he has not, you don't want to do him an injustice even in your own mind.

Put on your hat, leave your temper at home, go down and make a friendly call. Be neighborly, frank, open. Tell him the truth, and ask him for equal frankness. Nine hundred and ninety-nine times out of a thousand the whole matter will be explained and straightened out in five minutes, and you will part as personal friends rather than as personal and business enemies. You will both feel better, you will live side by side in harmony; the earth will be brighter, the sunshine clearer, your own heart lighter, and mankind take on a more friendly aspect. Don't get mad and rush to your desk and send a scorching letter—be a man, and a Christian, and go yourself.

Talk it over!

Never write a letter that leaves a sting.

There is a great temptation to say smart things in a letter. They sound so nice to you, when your type-writist leaves the completed letter on your desk.

But how do they sound to the other fellow? All the smartness has oozed out, before the missive has reached him. Only the ugly brutality remains.

Read the letter over; chuckle over it; admire it and yourself; read it to your clerk, to the office boy, to the cat, if you must show it to someone.

Then tear it up, and write another.

State your case as fully as you wish, and as strongly as it will stand. You can do all that, and still be polite and friendly. Make no threats. Use no taunts. Keep out bravado and bluster. Don't be an ass.

These suggestions have a special significance, in connection with dunning letters.

I know a chap who composed a model letter of this kind. He got more money in the next mail than a dozen collection agencies could have secured.

His letter ran something like this: "In times of trouble,

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one turns, naturally, to his best friends first. We send you the enclosed statement, in the same spirit as the New Jerseyman showed toward Bill Nye. When Nye asked him indignantly, 'Why do you charge me one dollar for a sandwich?' the Jerseyman answered, candidly, 'Well, the fact is, *I need the money!*' That is our only excuse for troubling you."

One correspondent sent a check and said: "I take off my hat to you. I send you remittance, not because we have the money to spare, nor that your claims are greater than those of our other creditors, but because you are the best dunner I have ever seen. I have been at it twenty years, but I take off my hat to you."

I see they are advertising for locks and dams on the Monongahela River. Here is a chance for my old-time friend, Towne, of the Yale contingent. He can bid on the locks, while any Hardwareman who has been in business during the past three years, can heartily furnish all the damns needed for a dozen rivers.

You are now Greater New York. This takes in Brooklyn and Alderman Walkley. I have bought many goods of him, or rather of the concern he represents—even as far back as the Peck, Smith Mfg. Co. That was when Brother Walkley was on the road, fresh from the scholastic shades of his college. He is about as fair a combination of the American business man and man of letters, as one can find in a day's travel. He likes business, and likes to do business; but he yet longs for the study, and his fingers are always dabbled with printers' ink. He travels the muse's pace with ease, and a rhyme comes as easily to him as a trade discount. He is too blunt to make a good politician, but all that bluntness is gone when it comes to poetry.

Mr. Walkley writes in a serious vein. Some other poet of the Hardware line—perhaps George Hart, Brother "Jack" McCarty, or Thomas James Fernley—has given the world a little gem called "The Carpenter's Wooing," a copy of which has been sent me. Let me repeat it:

O I a door you, darling one,
I hall ways loved your laughter,
And wiudow you intend to grant
The hand my hopes are rafter?

You're roof if you imagine that
I've not enough to board you;
We'll have a good square meal, for I
Can hammer steak afford you.

I sawyer father yesterday;
'Tis plane he'd have us marry.
O let us to the joiner's hie
Nor let us shingle tarry.

The cornice waving now, my love;
The gables are all ringing;
A lath! Why longer let me pine?
I'm sawdust when 'I'm singing.

A. N. Oldman.

An Antique Specimen.

To the Editor of Hardware: While traveling in Missouri, last fall, I passed through, in the south-western part of it, a small settlement called Doylesville, in which, seeing a little store with evidences of Hardware decorating its window, the panes of which looked as though they hadn't been washed since "befo' de wah," I dropped in upon the occupant, who looked, as he aroused himself from a doze he was indulging in, very much like Rip Van Winkle, shaking the twenty years' collection of the dust of ages from his dilapidated garments.

He did not arise, but permitted me to get to his chair, or rather, stool, and state my requirements. On my way there, I took in the limited contents of the little establishment, and it struck me as being the oddest collection of general store goods I had ever seen displayed, from the fact that each and every article I saw looked as though it had been there for years and years, and in all that time had not received any attention from a dusting brush or other appliance to freshen up its appearance.

As I was only interested in the stock I was most familiar with, Hardware, I thought I would develop a possible want, and said: "I'd like to get some nails!" "What size?" "Tenpenny!" knowing, if he had any at all, that size would be a leader. "How many?" I said: "a pound would be enough," and using his hand for a nail claw, he dug out from a keg under his little counter—in which I could see a few brass headed nails, made a yard measure, with variations on the inside edge—he dropped slowly into a rickety "Hatch" scale, almost as much cobwebs and similar dirt as he did nails, as far as quantity was concerned, and of all the rusty looking nails I had ever looked at, his were the worst: had it been a keg rescued from a salt water bath they couldn't have looked in a deeper and more disconsolate condition of rust. I asked the price upon receiving them, and when I was told "twenty cents a pound," my curiosity was piqued to know what infernal nail trust stimulated this unheard-of tariff for tenpenny nails. "Ain't that pretty steep?" I queried colloquially. "Wall, no," he said. "Never sold them for any less!" "How long have you run this store?" "Since 1863, but trade has been durn light since about a couple of years after I started; why, would you believe it, that's the last keg of tenpenny nails I bought way back in 1864; they cost $9 00 a keg then, and I don't get my money back at 20 cents a pound. I laid in a pretty heavy stock of goods for this place that year, and they seem to have lasted ever since; when I tell people what they're worth, they walk right out of the store, and say everything is ten times too high; that I ought to go up to St. Louis and get posted; but what's the good of my spending my money for that, I can't afford to sell my goods less than cost."

I told him I should imagine his prices were greatly at variance with goods that could be bought now, but he "wasn't going to sell less than cost. Why, I paid two dollars apiece for them hand saws, and a dollar apiece for monkey wrenches," which were 10 inches long. "They tell me they can buy them boxwood rules for ten cents anywhere, but mine cost twenty-nine cents, and they wuz the cheapest they had." I asked the price of some 4x4 cast butts I saw on his shelves; he said they had "cost him forty cents a pair." I really felt sorry for the old man, nobody came to his store; everybody there went to a neighboring town some 12 miles away, for any accumulation of wants which had developed among the forty or fifty inhabitants, who knew his peculiarities and didn't come near him unless the case was an extremely urgent one.

His own people had all died off, leaving him alone; he kept a few chickens, and just about made out to exist, occasionally making a barter for something he needed. He was at his post of duty every day, and with an old broom that had seen much service, he broomed out a limited space near the door, probably from force of a habit formed 30 years ago.

The old fellow only realizes that he cannot sell goods less than cost and live on any profits, so he is waiting for advanced fluctuations that will put him in the swim once more. A good many things in his stock if he tried to sell them would be found valueless, but he "has them on hand." He will probably join the great majority some day, leaving no successor, for he said he did not know "no chick nor child" of which to make an heir to his possessions.

K. C. B.

Pullman Sash Balance Co., Rochester, N. Y. Eleventh annual catalogue for 1897 and 1898: a pamphlet of 64 pages, in which the improved product created by an experience of many years in their especial business receives consideration.

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The Desk: Use and Abuse.*

BY NATH'L C. FOWLER, JR., DOCTOR OF PUBLICITY.

The desk of business has always accompanied business.

If a desk were not a necessity it is obvious that there would not be a desk.

A business man's books can be kept on a barrel-head.

Business can be transacted over the rail of a fence.

But so long as bookkeepers and business men positively refuse to do business without a desk, it is fair to consider the business desk a business necessity.

It is obvious that the desk, while being a necessity, is in reality an instrument of convenience.

It is used because business can be better transacted with its use.

Practically all accounts and all negotiations of every class are done in company with one or more desks, or the equivalents of desks.

The traveling salesman finds the buyer at his desk.

The client finds his lawyer at his desk.

The editorial caller finds the editor at his desk.

Desks are everywhere, used by everybody, and yet not one man in ten thousand appreciates what may be considered the business sacredness of the desk.

Order is the first law of heaven.

It also is the first law of successful business.

A convenience is hardly worthy of the name unless it be an orderly convenience.

Convenience without order is not convenience.

The character of a man is not always known by the clothes he wears, nor by the desk he uses, but as the man is dressed so may he be, or at least, so may he be considered.

The appearance of business is often reckoned by the appearance of the desk.

The old idea of considering a man's character by the company he keeps has been carried down to business, and a man must be known to some extent at least by his business surroundings.

A well-kept man in front of a well-kept desk is some evidence of a well-kept business, and a poorly kept man in front of a poorly kept desk, is some evidence of a badly kept business. True, millions have been made amid surroundings of disorder, but the grand old law of averages is safer to follow than the rule of exceptions, and so long as a well-in-order desks seems to be a part and parcel of a well-in-order business it will seem necessary that attention to desk management be considered somewhat on a par with attention to business management.

A poorly kept desk means a waste of time.

Figure it out, if you will.

If the desk is out of order it probably takes you a half an hour a day to find the things you would find if your desk were in order, and half an hour a day is three hours a week, and 156 hours a year, or the equivalent of somewhat more than a half of a month of actual business time.

The man with a well kept desk can enjoy an extra two weeks' vacation without using up any more business time than the man of the desk out of order.

Bissell Sweepers and Department Stores.

John Wanamaker has just erected in his New York store a very nice and attractive piece of cabinet work set apart exclusively for the exhibition and demonstration of the Bissell line of carpet sweepers.

Hahne & Co., Newark, N. J., in their newly equipped housefurnishing department, have just completed a very attractive space covering 10 feet by 10 feet, handsomely carpeted, with polished oak cabinet work and fittings and brass mountings, where they display not less than six to seven dozens of the Bissell Carpet Sweeper Co.'s sweepers.

The above eligible spaces devoted to this class of goods clearly demonstrate the importance that the department stores of this country are attaching to this famous line of sweepers. The growth of the Bissell carpet sweepers, dating some fifteen years back from very small beginnings from what in those days was considered an article of luxury, through many phenomenal stages in its growth, has reached a point of household interest. No household at the present time seems to be complete without a Bissell carpet sweeper. The many improvements that have been made from time to time in the mechanical department of the Bissell Carpet Sweeper Co. have doubtless been highly appreciated, and none more so than their latest improvement, the "cyco" bearing feature, which the company are widely advertising and which, in connection with the dust proof axle tubes, make a very important combination of valuable mechanical features that are now used on the Bissell high grade sweepers.

Chas. Morrill's Specialties.

Among the number of specialties which have for the past twenty years been associated with the name of Chas. Morrill, No. 35 Warren Street, New York, the crowning one of all has been his "Perfect Saw Set," the fame of

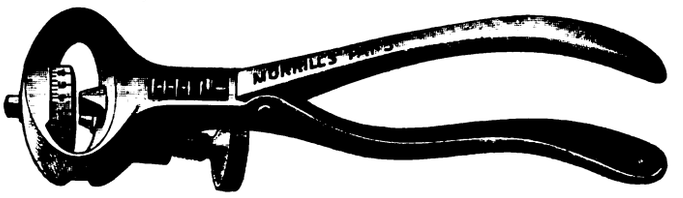


FIG. 1.

which has become world wide, and the marvelous success attending its intelligent distribution forms the truest evidence of its intrinsic merit.

From the very inception of the business, the demand for these saw sets has shown a remarkable strength, and to-day they command a market in all parts of the civilized world.

In appreciation of this very liberal patronage from mechanics of all classes and every nationality, as well as the Hardware dealers in general, the aim of the Morrill factory has been to maintain such a high standard of excellence as would merit the preference they have so universally received. We present herewith in Fig. 1, an illustration of the Morrill Saw Set No. 95, which is regarded as the master piece of his line of products. This scientific saw set leaves scarcely anything to be desired. The revolving anvil with indicator is sub-divided and marked with figures, showing the number of teeth in the saw to be



FIG. 2.

set. For example: If the saw has four teeth to the inch, turn the anvil until the figure 4 comes up directly in front of the plunger, when the operation can be proceeded with.

In operation, the set screw should be so adjusted that the saw may pass through without friction. When necessary to do extremely fine work the set screw is given a few turns until in the judgment of the user it will effect the desired object. The trade mark shown herewith in Fig. 2, is stamped upon all genuine Morrill's saw sets or other specialties manufactured by Chas. Morrill.

New York was the first city in the United States to adopt public street lighting. In 1698 an ordinance was passed by that city whereby every seventh house was required to hang out of the second-story window a lantern on a pole, for the benefit of pedestrians.—*Exchange.*

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Campbell's Practical Sliding Display Trays.

The Campbell Cutlery Co., No. 426 South Clinton Street, Syracuse, N. Y., are engaged in manufacturing in connection with their extensive line of show cases, to which we made reference in our previous issue, a very valuable improvement to this line of goods. They are made under the name of "Campbell's Practical Sliding Display Trays,"

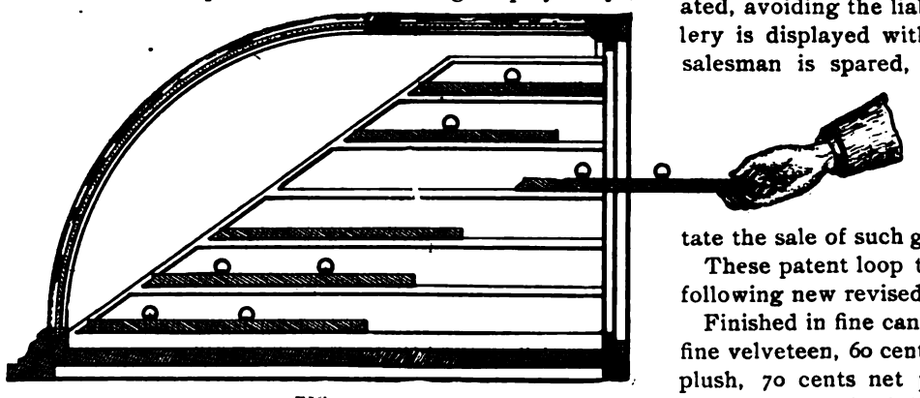


FIG. 1.

which, being intended to fit any show case, saves a large portion of valuable space, and enables the storekeeper to make the most brilliant display of his stock of attractive goods, keeping them in good order, while the stock is always in fine position. It is evident that by the aid of these display trays more articles can be displayed than by any other method, as they utilize the whole inside of the show case from bottom to top, where usually only the bottom is utilized and most of the space is consequently wasted.

A proper display of goods under such positive advantages certainly extends the sale of the same; even shopworn goods are displayed more advantageously under such improved conditions. We illustrate in this article the methods by which this is obtained. Fig. 1, giving a sectional view of a show case, indicates this quite clearly; as each tray is drawn out independently of the others, the whole case can be quickly emptied without touching an article, when necessary to clean the inside of the show case, or in changing the various samples. In Fig. 2, a more general view of the show case filled with display

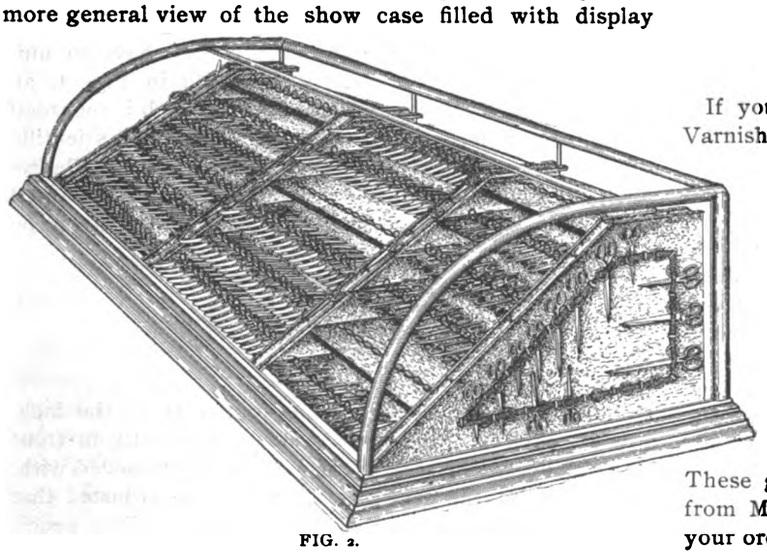


FIG. 2.

trays carrying stock can be obtained, and which conveys a better idea of their many possibilities.

As the tension of the loops are adjustable to the size of each article displayed, their wear and breakage is obviated. The tension is adjustable the whole length of each tray by the novel construction of the loops. The loops on each tray are spaced off differently for each size of knives, razors, scissors, shears, etc. Each loop is provided with a lifting handle. Back of each loop is a white erasive tablet for marking number, cost, price, etc. On the bottom of each tray can be written or pasted any information for ready reference, or price lists, circulars, etc. By removing the bottom tray to rear of any upper tray, original stock boxes may remain on bottom of show case as usual. Thus all the trays are a clear gain of space to the top of show case.

The necessity for handling unpurchased goods is obviated, avoiding the liability of rusting, even where the cutlery is displayed with blades open, and the time of the salesman is spared, for a selection can be made almost without the removal of anything except the articles selected. The tops and sides of the standards can be dressed with scissors, shears, etc., which cannot but greatly facilitate the sale of such goods.

These patent loop trays are offered to the trade at the following new revised price list:

Finished in fine canton, 50 cents net per foot; finished in fine velveteen, 60 cents net per foot; finished in fine silk plush, 70 cents net per foot. Five trays high count five times the length of the show case. Six, seven, eight, nine or ten trays high count six, seven, eight, nine or ten times the length of the case. A show case only ten inches high, takes five trays high.

Correspondence is solicited by the manufacturers; estimates will be furnished, and a special discount for cash given from above prices.

A Question of Worms.

R. A. Penick & Son, wholesale Hardware, South Boston, Va., make enquiry as below. Anyone in possession of the desired information, will please shed the light of his knowledge on the world, either direct, or through these columns:

To Editor Hardware: We have considerable trouble with worms cutting handles of spades, axes, also snaths and fingers of grain cradles. We have been using turpentine, but find that this does no good. Please advise through *Hardware* what will remedy this trouble, and you will greatly oblige us.

Trade rather quiet. Dealers buying mostly small lots for immediate shipment. Yours truly,

R. A. PENICK & SON.

The Varnish Season.

If you have not already placed your spring order for Varnishes, it would be well for you to put in a line of the Glidden goods. The Glidden Varnish Co., of Cleveland, Ohio, are putting up one of the handsomest and best packages of varnish ever offered to the dealer or painter, which they call their M. P. Special Coach Varnish. The name Special implies that it can be either left in the gloss finish or rubbed in the same manner as a hard oil finish. This varnish is put up in lithographed cans equipped with the full screw cap with inner seal, thus giving the painter a can of varnish that has an air-tight cap or cover for the can after same is opened. These goods are being handled by the principal dealers from Maine to California, so lose no time in sending in your order.

President Agassiz, at the annual meeting of the Calumet & Hecla Copper Co., reported that the Red Jacket Shaft had reached the depth of 4900 feet, and that it would be sunk no lower. The temperature increased after 4580 feet was reached about 1 degree of Fahrenheit for every 120 feet. The rock temperature at 4900 feet was 87.6 degrees.

During the last twenty years the railways of the world are said to have absorbed 50,000,000 tons of steel, or almost half the total product.

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RECENT TRADE PUBLICATIONS.

Ashtabula Tool Co., Ashtabula, Ohio, have recently issued their very handsomely gotten up catalogue for the season of 1897, forming a pamphlet of 28 pages, printed in green and brown, with excellent paper and illustrations and with an attractive cover. Their entire line is graphically illustrated and described, with complete price list of every style, and code word for every item shown in the catalogue. The production embraces the following important lines of goods, under the head of agricultural tools: Hay, straw and manure forks; barley and spading forks; corn, vegetable and shaving forks, and coke, coal and tanners' forks. Included in the assortment of goods made, are garden and mortar hoes; plain and braced steel rakes; malleable iron rakes, weeding hoes, potato and manure hooks; fork, rake and hoe handles, lawn rakes, etc. The catalogue is laid out in a proper and convenient way, to enable a dealer to order intelligently, as every article mentioned has a catalogue number, and no description beyond the number of the article is necessary to ensure correct shipment. Even every change in the length of handle for any article makes a new number necessary, and this number when given covers the whole description. The importance of this to an ordering man is readily appreciated, and his wish and prayer would be that all catalogues were similarly constructed. At the end of each line of description is given the code word which answers for that number, facilitating "rush" orders by telegraph, when they become necessary. It would be a good plan in the next issue to include code words covering "quantities" and "shipping directions" usually included in catalogues using a code system. Dealers in these goods should write for this catalogue.

We are in receipt of a very complete catalogue from the Knapp & Pratt Mfg., Geneva, Ohio, the ornamental cover of which gives it an extremely up-to-date appearance. The contents cover a large line of housekeeping Hardware and specialties connected with floriculture, which would be advantageous additions to any general stock of Hardware in the country. This company has long been identified with the manufacture of basting spoons, in a half dozen different styles; flesh forks, mincing knives in great variety; cake turners, of all the known and desirable shapes; carpet stretchers, ice picks, hatchets and chisels, with both wood and iron handles; tack claws, and tack and nail hammers; cast hatchets, cross cut saw handles, box scrapers and carpenters' chalk. Their line of floral tools has been largely added to from season to season, so that now it embraces ladies' and children's sets in very great variety; garden trowels, weeding hooks and strawberry forks; lawn and garden rakes, scuffle hoes, riveted hoes and hoe and rake combined. They are the manufacturers of a number of specialties that have already achieved considerable popularity, and are in steady request; such as "Sure Grip" and "Holden's" patent carpet stretchers, Excelsior kitchen sets, and "Challenge" garden rakes. Their goods are tastefully gotten up, and are quite popular among their customers. This catalogue should reach every dealer handling these goods.

F. E. Kohler & Co., Canton, Ohio, who are among the largest manufacturers of Hardware specialties in the United States, have recently issued their catalogue for 1897, covering an extensive line of goods. Among the specialties enumerated which intelligent advertising keeps constantly before the trade may be noted the following: "The Little Giant" post hole digger, which is a combination of post hole digger, transplanter, spade, pick and tamping bar; also the "Hercules," "Invincible," "Pioneer," "Lock-lever," "Universal" and "Champion" post hole diggers, all possessing similar qualifications for the purpose, but constructed for use in different kinds of soil. They catalogue a large assortment of lawn rakes, with wire teeth possessing unique features, among which are the "Lawn Queen," "Catch-all," "Jumbo," "Paragon" and "Improved Lawn Queen." Other specialties noted are garden rakes, weeding hoes and hooks; snow, furnace and utility steel shovels; sidewalk scrapers, garden trowels, corn planters, saw sets, pruning shears, can openers, mop handles, force pump and sprayer, lawn sprinklers and hose menders, grass hooks and anti-rattlers, the enumeration of which will convey a fair idea of their diversified product. They are also manufacturers of a line of curry combs which includes several original in design that have become exceedingly popular wherever introduced.

E. C. Stearns & Co., Syracuse, N. Y., are issuing a complete edition in German of their "1897 year book," to the excellence of which novel catalogue we gave testimony some time ago. It is stated to be the first instance where an American manufacturer of bicycles has brought out a complete catalogue in a foreign language, and which was made necessary in this case by the heavy trade already established by E. C. Stearns & Co. in Germany and Holland. For export trade, Stearns' models are equipped with mud guards, gear cases, brakes, and several other accessories, without which the Continental riders might not regard them with the distinguished consideration now so noticeable.

The Monarch Cycle Mfg. Co., Chicago, Ill., and No. 83 Reade Street, New York, have recently issued an extremely handsome and artistic hanging poster in imitation of a water color painting, showing a lovely young lady mounted upon a "Monarch," and pedalling along the sea shore in a very graceful pose. The drawing is excellent and the coloring is in a style in harmony with the highly artistic catalogue so recently published by the company for distribution at their various agencies. This high art souvenir will hang beside our desk, a fate it well deserves.

E. T. Barnum, Detroit, Mich., manufacturer of iron and iron work of all kinds, announces that his new spring catalogues are now being mailed to the trade. If any dealer does not receive a copy, he should write for one and it will be mailed to him at once free of charge. This 1897 spring catalogue contains a great number of new and original designs of all kinds of useful and ornamental wire and iron work, and will be found a very handy reference book.

The Berger Mfg. Co., Canton, Ohio, are distributing a "Yellow Kid" reminder to the trade touching upon their line of Standard Tubular Lanterns, of which it illustrates five salable styles. This "reminder" consists of a large yellow card 8x10½ inches in size, with space in one corner for the address; on the reverse side, a Yellow Kid discourses on the fact that "Berger's Lanterns is hot stuff," etc.

It does not matter whether the rot be dry or wet, it will kill business as well as a tree.—*Hardware and Metal Reporter.*

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NEW GOODS AND SPECIALTIES.

The Bommer Spring Hinge.

The attention of the advanced architects of late years has been more and more given to the importance of having the entrances to public buildings and large office structures possess an artistic effect in which all the parts will be

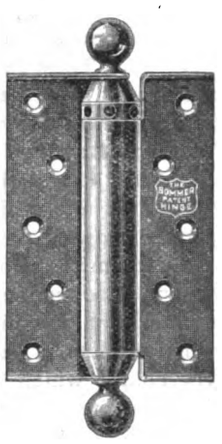


FIG. 1.

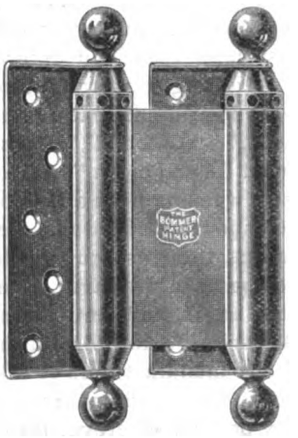


FIG. 2.

in evidence. This is made essentially necessary from the fact that as the strongest light usually falls upon this part of the building, everything in any way artistically harmonious adds greatly to its imposing effect. The necessity in our variable climate for having the large halls and lobbies of hotels and large buildings protected from the cyclonic disturbances so frequently occurring at short notice, has made strong and reliable spring hinges very desirable appliances in the proper construction of these large doors. When possible to be selected without marring those architectural lines which naturally form the original features of an entrance, a suitable hinge for the purpose is anxiously sought for by the supervising architect, and it is conceded that the Bommer Spring Hinge, of which we give a number of illustrations herewith, has the quality of blending harmoniously with any style of decorative art, and does not by any excess of bulk obtrude beyond the proper lines. These modern results of inventive excellence are made from wrought metal, with a lessened diameter of tube than has been formerly deemed essential; notwithstanding which, the friction on the joints has been reduced to a minimum, while the requisite strength and power has in no way been sacrificed. While retaining to the fullest extent the advantages which the use of the softer metals gives the manufacturer for excellence of finish, all the wear has been thrown in its construction upon a steel skel-

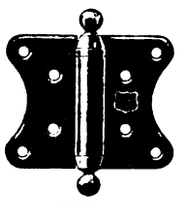


FIG. 3.

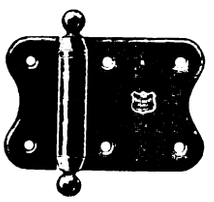


FIG. 4.

eton, which, in the interior of the frictional points, bears the entire strain, and can be made of increased strength to any degree required by the character of the work. In Fig. 5 and Fig. 7 are shown illustrations of the "Bommer Surface and Box Flanged Hinges," which are intended for use on the marble partitions of water closets; they possess principles in common with all Bommer hinges, but have a special construction for the purposes designed, of which the illustrations furnish a clear idea. They are made to suit any thickness of marble. Fig. 6 shows a strike designed to be used in connection with the single action of surface and box flanged hinges, the rubber cushion is dovetailed from the back, no rivets or screws being used to



FIG. 5.



FIG. 6.

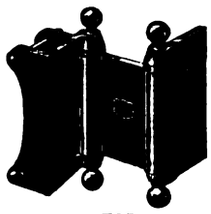
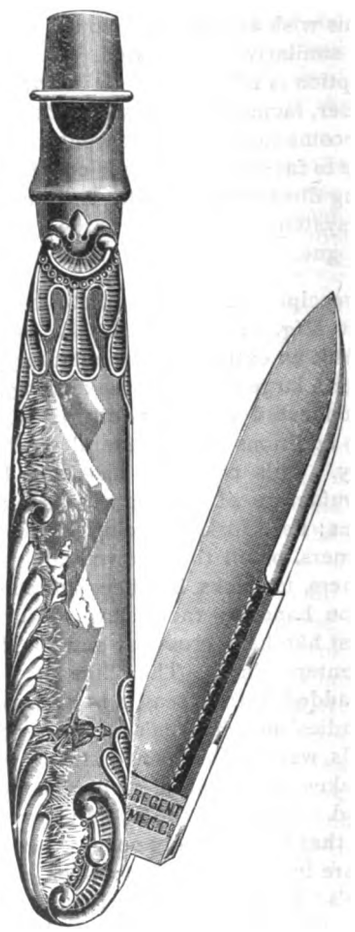


FIG. 7.

limit its elasticity. These goods are well worthy of the attention of the trade, and catalogues with trade discounts, will be forwarded upon request by the manufacturers, Bommer Bros., Nos. 351 and 353 Jay Street, Brooklyn, N. Y.

Sportsman's Knife and Whistle.

The Regent Mfg. Co., Bridgeport, Conn., in addition to their other novelties which they are manufacturing in the cutlery line, are placing upon the market a new whistle knife, designed for the use of sportsmen and others, and

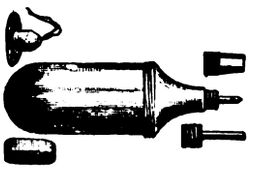


which will undoubtedly meet with a ready sale. The metal handle is embossed with characteristic hunting scenes, and the single large-sized blade is made from the best quality of English steel; both whistle and handle have an oxidized copper finish. It will make a desirable knife for hunting and fishing. The manufacturers state, to introduce it, they will mail samples to the trade, post-paid, on receipt of 25 cents.

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The League Kit.

The New York Belting & Packing Co. Ltd., No. 25 Park Place, New York, are placing before the Hardware trade and dealers in bicycle sundries, a new device for repairing single tube tires called the "League Kit," or "The Puncture Doctor." It is a self-contained combination tool for repairing tires, as shown in illustration herewith, operating



in conjunction with a solution which enables it to make a quick and sure repair of a small puncture, with the aid of tne solution only, and a large puncture by the additional use of a plug. This is done in a very simple and easy manner, and we should think the tool would meet with a very great degree of favor. The fact that both plug and cement repairs can be effected by this tool should certainly recommend it to all riders of single tube tires.

Myers' Siphon Pump.

F. E. Myers & Bro., Ashland, Ohio, who are well known to the readers of Hardware as leading manufacturers of force and lift pumps possessing the most original features possible in the construction of these useful appliances, are engaged at the present time in placing upon the market one of their latest inventions, which is a new pump, constructed upon the siphon principle, and the original construction of which is demonstrated in the accompanying illustration, Fig. 1 giving its general appearance, and Fig. 2 showing a sectional view, embodying its mechanical invention. The Myers Siphon Pump is so made that all of the working parts can be removed without in any way disturbing the suction or discharge pipes, or disarranging the pump or its several connections. It is provided with a drawn brass cylinder, has brass valve cap, glass valve seat, brass plunger and piston rod, and large brass packing box;

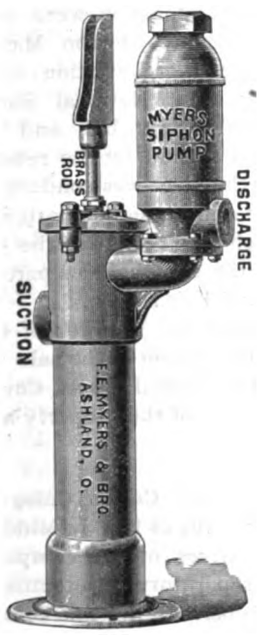


FIG. 1.

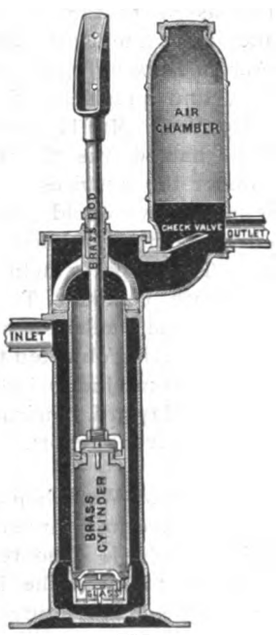


FIG. 2.

the air chamber is of large capacity, with a check valve in the discharge opening; the outlet can be set at different angles to suit the location of the pump. It is stated as the policy of this firm to build goods possessing originality of design and up-to-date ideas in connection with constructive excellence; with the Siphon Pump they feel that they cover every requirement possible to be demanded in a pump of this class. It is made in three sizes, 2½, 3 and 3½ inch cylinders, each with a 12 inch stroke.

The "Mail and Express" Scale.

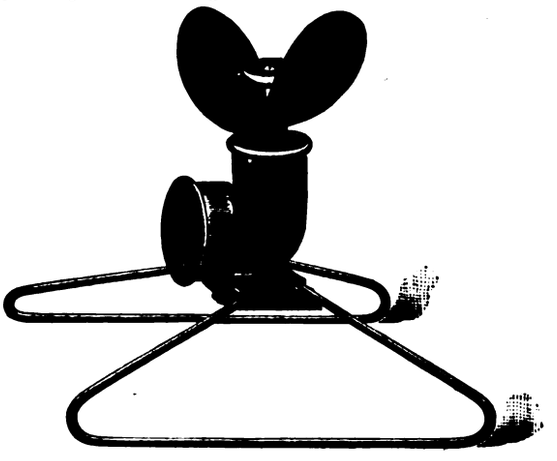
The Pelouze Scale & Mfg. Co., Nos. 133 to 139 S. Clinton Street, Chicago, Ill., celebrate their succession to the business of the Gilfillan Scale & Hardware Co., by the placing upon the market of a new and extremely useful scale, which will be a boon to any publishing house or express office for the weighing of portable packages. It is called the "Mail and Express," and we illustrate the same here-



with. Among its features of novelty and convenience may be mentioned the following: It indicates the exact cost of postage in cents on letters, books, merchandise and newspapers up to four pounds. It weighs express packages by half ounces up to sixteen pounds. The dial contains the complete postal laws for different classes. The "Mail and Express" is made of steel, handsomely japanned and striped, has a glass sash with nickel trimmings, covering a 7½ inch dial; is furnished with a tile top plate, which is made with a special glaze and is 6 inches square in size. The retail price of this novel scale is $5.00 each.

The Champion Ball Bearing Lawn Sprinkler.

The Champion Safety Lock Co., Cleveland, Ohio, are placing upon the market as a seasonable specialty, the Champion Ball-Bearing Lawn Sprinkler, which is referred to as possessing novel and distinctive features that recommend it as being of superior merit. We present an illustration of this sprinkler herewith, showing it with the ingeniously constructed stand furnished with all of them, making it very complete. The great drawback in the use of many



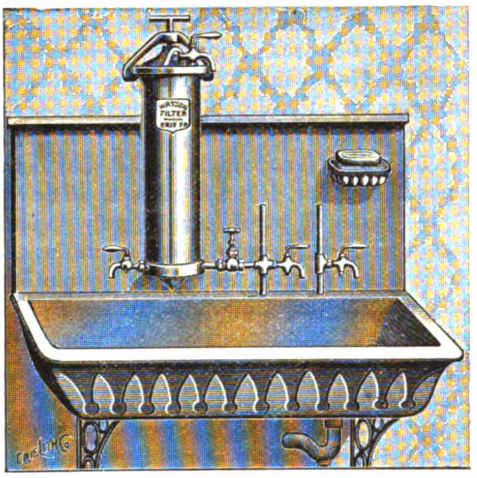
revolving lawn sprinklers has been that after a short time the bearings becoming irregularly worn, cause a binding in the working parts which interferes with their utility. In the Challenge Lawn Sprinkler this has become entirely overcome by the use of a ball bearing, which runs with a minimum amount of pressure making it possible to operate the sprinkler with a lower degree of pressure than is usually considered indispensable. The balls in the bearing being

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made of ball metal, are thus rendered incapable of rust. The entire sprinkler, except the stand, is made of brass highly finished and fully nickel-plated. The stand is made of steel wire, tinned, lessening any risk of breaking, and is constructed so as to be very easily attached to the sprinkler. Circulars more fully describing this latest improved sprinkler, will be forwarded by the manufacturers upon request.

Watson's Germ-Proof Natural Stone Filter.

N. A. Watson, corner Sixteenth and State Streets, Erie, Pa., is the manufacturer of the "Watson Germ-Proof Natural Stone Filter," which he is introducing through the Hardware trade. It would seem as though never before in the history of the world has so much attention been given to the importance of a pure water supply, free from filth of every description, microbes, bacteria, germ matter, gases, taste or smell, and the awakening of so much public interest in a matter so conducive to health and sanitary conditions generally, has resulted in more improved methods of providing filtering processes, and inventive ingenuity is well employed in this specific quest, for impure water, as is too well known, is the most prolific source of such diseases as typhoid fever, diphtheria, malaria, diarrhœa, and in fact all diseases of a contagious character. By the use of the Watson Germ-Proof Filter it is claimed that the



foulest water can be made clear and sparkling, wholesome and pure, and all the impurities thus extracted are not absorbed in any way by the stone, which forms the filtering process of this improved filter, but are retained upon its surface and can be readily removed by a brush, leaving the material perfectly clean; as in the construction of the filter it is not necessary to use either alum, sand or charcoal, the peculiar nature of the stone being of a porous character, unsurpassed for freeing the water from all such impurities as decomposed animal and vegetable matter, or other organic disturbance usually creating the countless germs that spread disease. These filters are made of iron, galvanized inside and nickeled outside, and are furnished in the following sizes, calculated for a capacity at 40 pounds pressure: No. 6, about 112 gallons per day, $10 each; No. 7, about 200 gallons per day, $16; No. 8, about 400 gallons per day, $30 each. Trade discounts and further information will be forwarded upon request to the manufacturers.

A few years ago 4,500,000 bronze two-cent pieces were set afloat. Three million of these are still outstanding. Three million three-cent nickel pieces are scattered over the United States, but it is very rarely that one is seen.

The regular banquet of the New Haven Merchants' Association was held at the Tremont House, New Haven, several evenings since. This is probably the last gathering of this character of the season.

Have Commenced Suits.

The National Cash Register Co., Dayton, Ohio, filed suits in the United States Circuit Courts, on April 16th, against dealers in, and certain users of, Imperial Cash Registers, which are manufactured by the Osborn Cash Register Co, of Detroit, Mich. The National Company claim that the Imperial Cash Register infringes certain of their patents, and sue in each case for infringement, and ask for injunction and damages. The list of dealers and users against whom suits have already been brought is as follows:

DEALERS.

McCormick, Behnke & Co., St. Paul, Minn.; Kennedy, Hungerford & Kools, Kalamazoo, Mich.; The Weideman Co., Cleveland, Ohio; Berdan & Co., Toledo, Ohio; James J. Bauman, Denver, Colo.; Williams, Wood & Co., Denver, Colo.; H. Sheftels & Son, Milwaukee, Wis.

USERS.

Frederick Bahr & Sons, Milwaukee, Wis.; Fraatz & Clark, Dubuque, Iowa; E. Lacher, Geneseo, Ill.; Edward T. Van Ostrand, druggist, Allegan, Mich.; Henry Spira, wholesale and retail liquor dealer, Cleveland, Ohio; Emil Kroemer, grocer, St. Paul, Minn.; Hemmert Brothers, saloonists, Celine, Ohio; John A. Rosinbush, druggist, Union City, Ind.; John P. Murphy, grocer, Joliet, Ill.; Charles E. Ward, general store, Bement, Ill.; John Fritz, No. 44 Main Street, Ann Arbor, Mich.; Anderson & Busche, general store, Wells, Minn.; John M. Price, Toledo, Ohio; Nicholas Wagner, Toledo, Ohio; Homer J. Nodine, Syracuse, N. Y.; John Brown, provision dealer, Brooklyn, N. Y.; Otto Alexander, druggist, Brooklyn, N. Y.; Edward Egge, butcher, Brooklyn, N. Y.; Bernard Robinson, druggist, Omaha, Neb.; Swan E. Nelson, stationer, Chicago, Ill.; Iestyn W. Charles, grocer, Denver, Colo.; Newton & Hickok, Syracuse, N. Y.; Eugene A. Welch and Ernest B. Russell, Kalamazoo, Mich.

Sale of the Atlas Tack Assets.

The assets of the Atlas Tack Corporation were sold at auction at the Real Estate Exchange, Boston, Mass., to Aaron Hobart, chairman of the reorganization committee, and president of the Tremont National Bank, for $250,000. Mr. Hobart made the only bid, and the sum he named was the minimum named by the receivers under the auspices of whom the sale was conducted. The property was sold subject to a mortgage of $219,000, the debts being $1,250,000, of which $700,000 is on the old stock. The property included in the sale includes parcels in Plymouth, Duxbury, Taunton and Fair Haven.

Mrs. Amelia Dunbar, a stockholder and creditor of the company, having objected to a confirmation of the sale for various reasons, Judge Colt, in the United States Court, Boston, on May 3rd, confirmed the sale of the property and also the receiver's report.

The Rhenish-Westphalian Explosives Co., of Cologne, Germany, have just purchased 577 acres of land in Middlesex County, N. J. The representatives of the company have begun to clear the land preparatory to erecting a plant for the manufacture of explosives. By this means the company expect to be able to avoid the duty on all sorts of explosives, imposed by the Dingley bill. The company will give employment to at least 1000 men.—*New York Telegram.*

By the consolidation of the two great iron manufacturing firms of Schneider and Canet, of Paris, the heads of the two foundries visited President Faure recently and assured him that France now has an iron manufacturing plant rivaling the Krupp establishment in Germany.—*Scientific American.*

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MINNESOTA HARDWARE ASSOCIATION.

The Hardwaremen of Minnesota have followed the example of their brethren in other parts of the country, and have organized, under the most favorable auspices, the Minnesota Retail Hardware Dealers' Association.

The initial gathering of the Hardwaremen of this enterprising State, was held in the House of Representatives, at St. Paul, on April 29th.

On the evening previous, prominent representatives of the trade held a caucus, or rather an informal meeting, in the Chamber of Commerce rooms, on the corner of Third and Jackson Streets. About twenty-five retail Hardware dealers of St. Paul and several other points in Minnesota were present, and discussed at length the irregularities in the business of which the dealers as a whole are complaining. Incidentally they also discussed informally proposed plans of organization and the programme of the convention.

When the meeting was called to order on the morning of the 29th, nearly two hundred retailers from all parts of the State were present. Among those either present, or who had signed a circular pledging themselves to take part in the convention, were the following well-known individuals or firms:

Powell & Wakeman, L. Thielman & Son, Charles F. Ladner, A. H. Kendall & Co., St. Cloud; S. A. Anderson & Son, Dawson; L. C. Budow, Henderson; Louis Gewalt, Breckenridge; Northern Hardware Co., Kelly Hardware Co., Duluth Hardware Co., Duluth; J. E. O'Brien & Co., Crookston; A. Hartelt, Norwood; Evenson Bros., St. Peter; A. T. Stebbins & Co., Rochester; Peter Nelson, Red Wing; J. R. S. Cosgrove, W. H. Tomlinson, Le Sueur; Stremel Bros., Bingenheimer-Robinson Co., P. E. Olsen, H. A. Andersen, Minneapolis; C. M. Groschen, St. Bonifacius; Frank Clasviech, Waconia; Mr. Genneviech (Genneviech & Son), Lester Prairie; William Werner, Winsted; J. J. Danek, Silver Lake; W. E. Sivright, Hutchinson; L. P. Albrecht, H. Wadsworth, Glencoe; Alex. Ahlen, Cologne; Charles Schleick, H. Hoffman, Deppe Bros., Louis Peter, Minnesota Hardware Co., F. J. Schulz, Julius Peter, St. Paul; L. A. Ritter, Hutchinson; D. Y. Butler, Brownton; Hines & Byers, Olivia; A. O. Gerde, Sacred Heart; Goodenow & Winter, Granite Falls; Thomas McKinley, L. McKechnie, Cottonwood; P. L. Norman, Monrevideo; Swan Bros., Boyd; J. N. Silver, Clarkfield; Pottratz Bros., Belview; A. A. Lindeman, North Redwood; Hanser & Rieke, Fairfax; H. A. Sauer, Johnson & Johnson, Hauser & Fisher, Gibbon; P. P. Quist, Winthrop; E. S. H. Johnson, Gaylord; M. Malerich, Arlington; J. G. Hoffkin & Co., Green Isle; F. R. Brasie, Monticello; Knapp & Haven, Big Lake; F. Friedley, Becker; How Bros. & Co., Sauk Center; Handy Bros., Lano & Deuhs, Long Prairie; Erickson & Helleckson, Wheaton; McNulty & Helgeson, Litchfield; Peterson Bros., Kandiyohi: M. D. Hartnett, Graceville; A. A. Stone, Morris; H. Hovde, Kensington; Lindquist & Linderholm, Belgrade; A. C. Howe, Glenwood; J. E. Wedman, N. E. Anderson & Co., Hedberg & Johnson, Kensington; Ben Clayton, Taylors Falls; C. A. Victor, Lindstrom; Tombler & Stewart, Wyoming; George P. Becker & Co., Harris; Charles Smith, Rush City; H. N. Welch, Pine City; O. F. Peters, Cannon Falls; Steile & Austinson, Dennison; Held & Helberg, Nerstrand; Gunderson & Sons, Kenyon; Severns & Severns, West Concord; Brown Duckstad, Fertile; M. L. Larson, Warren; Hanson & Kroke, Stephen; Olsen & Holen, Argyle; Larson Bros., Fishers; Johnson & Olander, Hallock; Johnson & Rickansrud, Fosston; O. J. Johnson & Co., Waseca; J. P. Watson, Marshall; L. Blakestad & Co., E. Morton, Blooming Prairie; H. H. Heydon, Chatfield; F. J. Harris, Spring Valley; J. L. Deuel & Co., Le Roy; Gulbrandson Bros., Albert Lea; W. L. Altenburg, Wells; W. B. Gillespie & Sons, Jackson; Smith & Vesselman, Fairmont; M. M. Jenkins, Sherburne.

When the Hardwaremen convened they were greeted by a committee of the St. Paul Retailers' Union, President Jesse Gregg, of the Commercial Club; J. H. Beck, R. A. Kirk and other members of the Jobbers' Union, and a number of local Hardware men.

Senator A. T. Stebbins, of Rochester, was named for chairman, and upon taking the helm briefly outlined the purpose of the movement. These were in brief the protection of all concerned, manufacturer, jobber, retailer and consumer. George Evanson, of St. Peter, was chosen secretary. President McKibben, of the St. Paul Jobbers' Union, was then introduced, and told of the situation as seen from the St. Paul jobbers' standpoint. He said:

The burdens that are distressing you are affecting the entire trade relations of the country. Hard times have developed an abnormal demand for low prices. It used to be that the intelligent buyer was interested, first of all, in the quality of goods to be purchased, but things have changed. Now, nine out of every ten purchasers insist on the price of goods, first, last and all the time. The urgent demand is for cheap goods. As a result, the manufacturer is putting out a tremendous amount of shoddy stuff on the market. The tricky tradesman, with his lying circulars, sees his opportunity in these conditions. These scavengers come and pick up the refuse, the defective goods, and send out their catalogues, advertising the same as first class. I contend that the retail store, properly managed, can sell its goods as cheap as anybody. I believe that many of these questions will be solved in time, but you are here to take time by the forelock and hasten the determination. You are not here to discuss morals, but to protect your business. I believe that there is a necessity for a retail store in a country town. You can put this down, that just as soon as the catalogue fiend has got rid of the retail store that the consumers will pay dearly for their experience. Then will you see prices go up higher than the retailer places them to-day. The only way to down these people is to fight them down. I don't want to sell to a man who proposes to destroy another's business. We used to be told by certain people in Chicago that St. Paul was but a spot on the map, but, by intelligent organization, we have shown these people that we have ceased to be a spot.

President Gregg, of the Commercial Club, spoke a few words in behalf of Mayor Doran, who could not be present, extending to the visitors the hospitality of the city. Secretary Nash, of the St. Paul Retailers' Union, spoke also, after which the chair appointed a committee on permanent organization, by-laws and resolutions, as follows:

J. E. O'Brien, Crookston; E. A. Moye, Duluth; C. F. Stremmel, Minneapolis; E. H. Lloyhead, Faribault; H. E. Humphrey, St. Paul; B. W. Howe, Sauk Center; E. J. Russell, Stephen; W. H. Tomlinson, Le Sueur; J. P. Watson, Marshall; George Kaupp, Blue Earth City; Sid Barteau, Zumbrota; M. R. O'Neil, Graceville; H. E. Cleveland, Minneapolis; Paul Quehl, St. Paul.

The main portion of the afternoon session was occupied in discussing the details of the organization. The committee on resolutions made a report which was adopted.

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These resolutions provide for such steps as will put an end to the evils which exist now in the way of allowing the retailers to be undersold by catalogue supply houses, and further prescribe what shall constitute the various branches of business between the manufacturer and the consumer, and for the governance of such a plan as will eradicate the trouble at hand. Each member is urged to confine his business dealings to those men who do a legitimate business and who are not attempting to cut into fair competition by unfair methods.

A general discussion was also had in regard to the merits of the movement which had eventuated in the organization. Speeches were made by H. Wadsworth, of Glencoe; C. W. Hall, of St. Paul, and George W. Cope, of Chicago. C. W. Aldrich read a paper in which he treated the subject from the standpoint of the duty of the merchants to each other, and told of the necessity of organization. He advocated honest trading above all things, and thought that if the merchants would make their stocks and stores attractive they would be able to compete with the catalogue men. H. S. Chaffee, of Minneapolis, presented his views on the causes of failure among Hardware dealers, and E. H. Lloyd, of Faribault, told in a felicitous manner of the advantages and disadvantages of buying from traveling men and going to the city for goods.

The principal paper of the afternoon was by C. C. Peterson, of Newark, S. D., who was present as a special guest of the association. He came down to the convention to tell the story of what the retailers of South Dakota were doing to combat the catalogue evil in their midst. Some of the merchants of that State have been working for a year to bring about a meeting such as this, but thus far there have been no definite results. Speaking of the condition of affairs in South Dakota, with reference to this evil complained of, he said:

For many years South Dakota has been the happy hunting ground of the catalogue supply houses. I doubt that any other community of equal population has ever given such liberal patronage to the supply houses as South Dakota has done and is still doing. The consequent loss of trade to the home merchants, taken in connection with losses from bad accounts and poor crops, led me to conclude that South Dakota merchants had suffered long enough, and must be ready for any movement calculated to relieve the situation, and after some preliminary investigation and correspondence I issued a circular letter to the trade on Jan. 1, 1897, proposing that we should organize for self-protection.

There are about 2000 individuals, firms and corporations engaged in retailing in the State. Out of these I selected about 1000 of the best standing, to whom I mailed the circular letter. I have received answers from 50 of these, in all cases from the best merchants.

In my work I have found the chief obstacles to progress in their order of importance to be: First, the slovenly apathy of a great majority of the dealers themselves; second, the foolish and malicious opposition of certain would-be imitators of the department stores; third, the expense of the work.

To overcome the first obstacle it is necessary that some disinterested man or men, whose motives are above suspicion, shall talk or write to the drowsy ones, and keep at it until those who are sleeping have been aroused. We shall guard against wasting endeavor on those who seem to be sleeping but in reality are dead. The old style of retailer is doomed. No amount of organization will save him if he is unable or unwilling to learn. There is no anodyne for the indiscriminate credit-giving, and antiseptic for shoddy, slip-shod storekeeping. Pseudo merchants will whine in vain for protection from the competition of the man who studies his business, who takes thought for the comfort of his customers, anticipates their wants, exercises good taste and courtesy, advertises judiciously, keeps his stock clean, inventories semi-annually and runs a well-lighted, cheerful, inviting store.

Let us not attempt to lumber up our organization with back numbers. It is to the live fellows, who are capable of receiving instruction and keeping abreast with the times, that we must appeal. They, and they alone, will form the phalanx that is destined to land the catalogue shark high and dry.

To this class of men it is only necessary to state your case, and they are with you. The question simply narrows down to the best way to rouse the remainder of the trade. It seems to me that the only way it can be accomplished is through liberal use of printers' ink. I can see no promise of betterment in the situation unless the association is made general. Our plan is to publish a monthly magazine devoted exclusively to our interests and to our organization movement. We propose to raise money enough to send a prepaid copy of the paper for one year to every retailer in South Dakota. We hope to make our publication so catholic and cosmopolitan that it will circulate anywhere in the United States, and be as interesting and helpful to the merchants of Minnesota as to their South Dakota brethren. This, we believe, is the most effective way to agitate the matter, and the most economical as well.

Having once roused the trade, everything else will be plain sailing. If it were not such a serious thing to most of us, it would be the most ridiculous thing imaginable, that a fellow who cannot obtain a rating for more financial strength than $40,000 should demoralize the business of all the merchants of not only South Dakota, with a combined capital of $10,000,000, but the greater portion of the great Northwest as well.

The second obstacle I mention is the would-be imitators of the department store. They are sustained by the hope that if they can by sheer force of slashing, blow and bluster, eventually drive all their competitors into bankruptcy, there will be a sure road to fortune open to them. Fortunately such fellows are in a hopeless minority. There will always be cases of wrong-headedness, but means will be found to discipline the recalcitrants without such great cost and demoralization of business as is now the inevitable accompaniment of the meteoric career of a cutter and slasher.

The following gentlemen have been elected as officers for the ensuing year:

President, Charles Ladner, St. Cloud.

Vice-president, A. T. Stebbins, Rochester.

Executive Committee: J. E. O'Brien, Crookston; W. H. Tomlinson, Le Sueur; Clement Schroeder, Mankato; M. R. O'Neil, Graceville; John Karst, Stillwater.

Mr. Davis, of Minneapolis, made the suggestion that there should be a member from one of the two large cities on the executive committee, upon which Mr. O'Brien withdrew his name and Frank Stemmel, of Minneapolis, was substituted. Later in the day it was decided that Mr. O'Brien was too valuable a man to spare, and he was put back on the committee, with Paul Quehl, of St. Paul, as the seventh member. The executive committee will select the secretary and treasurer.

The work of the following morning was devoted to a consideration of the constitution and by-laws, which were submitted by the committee on permanent organization. Except in a few minor details, the original draft of the constitution was adopted.

The constitution and by-laws are as follows:

CONSTITUTION.

Article I. Name and Object.

Section 1. The name of this association shall be the Minnesota Retail Hardware Association.

Sec. 2. The object of this association shall be to pro-

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mote the welfare of the retail Hardware trade of Minnesota.

ARTICLE II.

Section 1. Any person, firm or corporation in Minnesota engaged in the business of selling Hardware, and known and recognized as a regular retail Hardware dealer, may become a member of this association.

ARTICLE III. OFFICERS.

Section 1. The officers of this association shall be President, Vice-President, Secretary and Treasurer, and seven members who, with the President and Vice-President, shall constitute an Executive Committee.

Sec. 2. The President, Vice-President and Executive Committee shall be elected annually by ballot, and shall hold office until their successors have been elected and qualify.

Sec. 3. The Secretary and Treasurer shall be appointed or removed by the Executive Committee. The Treasurer shall receive and disburse the funds of the association under the direction of the Executive Committee, keeping a careful account of the same. The Treasurer shall pay out the funds by a voucher signed by the President and Secretary. The Secretary shall be under the direction of the Executive Committee, and his duties shall be assigned by them.

Sec. 4. The Executive Committee may pay the Secretary such salary as may be deemed necessary, and a sufficient bond shall be furnished by the association for the Treasurer.

Sec. 5. In case of a vacancy in any of the offices of this association the same shall be filled by the Executive Committee until the next annual meeting. The Executive Committee shall perform the duties of an Auditing Committee and examine the books of the Treasurer and Secretary and report their condition at the annual meeting of the association.

A majority of the Executive Committee shall constitute a quorum for the transaction of business.

ARTICLE IV.

Section 1. The regular meeting of the association shall be held annually on the second Wednesday of February at such place as may be designated by the association at its previous annual meeting.

Sec. 2. The Executive Committee is subject to the call of the President.

Sec. 3. It shall be the duty of the President, or in case of his inability to serve, of the Vice-President, to exercise supervisory control over the affairs of the association and preside at all meetings of the Executive Committee, and to carry out and enforce all measures adopted by the association calculated to improve the condition of the Hardware business.

Sec. 4. The President shall appoint for each county one member, whose duty shall be to obtain membership in this association and encourage the formation of local organizations.

Sec. 5. The presiding officer shall appoint at the annual meeting a Sergeant-at-Arms.

Sec. 6. Amendments to the Constitution and By-Laws may be made at any regular meeting by a vote of at least two-thirds of the members present.

BY-LAWS.

Article 1. The membership fee shall be $2.

Art. 2. The annual dues, which shall be paid in advance, shall be based on the capital invested in the business of the members as follows:

$5000 or less, $3 per year.
$5000 to 10,000, $5 per year.
$10,000 to $15,000, $7.50 per year.
$15,000 or over, $10 per year.

Art. 3. Twenty-five members shall constitute a quorum to transact business at any meeting.

Art. 4. Each firm shall have one vote at any meeting of this association.

Art. 5. All fees and dues must be paid before a person can be recognized as a member or become entitled to act in this association.

Art. 6. The Sergeant-at-Arms shall guard the door and see that none but members be admitted except by order of the presiding officer.

There was animated discussion on the question of the annual dues. Mr. O'Brien, a member of the committee on permanent organization, favored a minimum initiation fee of $5 and ranging to $15, according to the amount of capital invested in the Hardware business. The association should start out strong, and be sure that it had sufficient funds to meet all emergencies.

Another section, headed by Senator Stebbins, thought it wise to have a small initiation fee, ranging from $3 to $10, and this the Senator embodied in an amendment, which finally prevailed. Senator Stebbins' idea was to have every retailer in the State enrolled in the association, and to accomplish that, it would be necessary to have a reasonable initiation fee.

One of the members suggested the substitution of the word "union" for "association" in the title of the organization, but the convention thought "association" the proper term.

Senator Stebbins moved that the association meet in St. Paul next year, and Mr Davis put in a plea for Minneapolis as the place for holding the convention. Mr. Stebbins withdrew his motion, and Minneapolis was selected.

Mr. O'Brien, of Crookston, precipitated some discussion by his motion that the executive committee be empowered to print the proceedings of the convention in pamphlet form and have copies of the same transmitted to all the members. This would entail a cost of about $100, but he thought the value of these pamphlets would more than compensate the outlay. He was upheld in his stand by Mr Davis, of Minneapolis, who said that the convention owed it to its own dignity to follow out this course. Some of the members were doubtful as to the propriety of going to such an expense at the outset. The motion to print the pamphlets passed with a few dissenting votes. Before the session ended all present signed their names to the membership rolls.

TEXAS HARDWARE JOBBERS.

The Texas Hardware Jobbers' Association met in annual convention at Houston, Tex., on April 21st, James Moroney, of Dallas, presiding; Robert Bell, Jr., of Weatherford, secretary.

The meeting was purely an executive one, and none of the subjects discussed are given out for publication. The old officers were re-elected, as follows: James Moroney, of Dallas, president; F. A. Heitmann, Houston, vice-president; Henry Deutz, second vice-president; Robert Bell, Jr., Weatherford, secretary-treasurer. Executive committee—A. P. Duncan, Waco; W.L.Sanford, Sherman; Charles Nash, Forth Worth; A. Krakauer, San Antonio.

The convention adjourned, to meet in Waco at a date to be selected by the executive committee.

The following are the members: Hurlbut Hardware Co., Brownwood; Huey & Phillips Hardware Co., Moroney Hardware Co., Dallas; John Stiffian & Co., El Paso; Nash Hardware Co., William Henry & Co., Fort Worth; Bering & Cortes, F. A. Heitman & Co., Houston; Deutz Bros., Laredo; H. S. Bettes Hardware Co., Paris; Roberts, Hardwicke & Taylor Co., Sherman; Krakauer, Zork & Move, San Antonio; Daglash Hardware Co., Tyler; McLenden & Duncan, Breustedt Hardware Co., Ed Strauss, Waco; R. E. Bell, Weatherford.

Mr. Mandelbaum, representing the Southern Hardware Jobbers' Association, and Mr. Shapleigh, of the National Hardware Jobbers' Association, were present and participated in the proceedings.

The visitors were given a trip down the bayou to San Jacinto battle-ground and on to Morgan's Point, where dinner was served.

Insects are, for their size, the strongest members of the animal creation. Many beetles can lift a weight equal to more than five hundred times that of their own bodies.

The oyster is one of the strongest creatures on earth. The force required to opened an oyster is nine hundred times its weight.

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NEW YORK WIRE CLOTH CO.,

102 Chambers St., New York.

WORKS LOCATED AT YORK, PA.; BROOKLYN, N. Y.; HOMER, N. Y.; HAMILTON, N. Y

——MANUFACTURERS OF——

PAINTED HARD STEEL WIRE SCREEN CLOTH.

DOUBLE SELVAGE, STANDARD QUALITY.

Owners of the following brands of Wire Cloth: **YORK WIRE CLOTH CO.**, York, Pa; **THE WIRE FABRIC CO.**, Homer, N. Y.; **J. H. DE WITT'S SONS**, Brooklyn, N. Y.; **HAMILTON WIRE CLOTH CO.**, Hamilton, N. Y., and the **DIAMOND** Brand.

Review of the Markets.

Hardware: Few if any changes in prices are of noted importance. An improved movement is apparent, but while the volume of business up to May 1st compares favorably with last year, this month will do but little more than hold its own by comparison; as it marked last year the first month that gave much encouragement to the spring trade.

One advantage to be gained by the careful methods of buying in vogue at the present, is that stocks will be found in satisfactory shape for fall trade if business assumes the greater degree of strength so anxiously looked forward to.

Collections continue favorable, and merchants are getting into a better condition for safely making purchases of desirable goods.

Prices on general Hardware are still very low and in favor of sanguine buyers, the movements of stock being too limited in amount to stiffen the tone of the markets and lessen the apprehensions of the manufacturer that the present are not bottom prices.

The reorganization of the Atlas Tack Co. under new management has a tendency to make tack quotations sufficiently indefinite until the policy and discounts of the new company shall be announced. Several outside companies, having expanded their output since the Atlas company has been embarrassed, will soon find the strength of a competition not previously credited as important.

The disposition among some of the manufacturers to seek the retail trade direct is naturally becoming curbed under the fear of the retail trade organizations constantly being added to by the dealers in a number of States; the formation of these associations will exert a healthful influence on the business of the future and prove of some benefit in restricting the trade to natural channels.

Wire Nails: Arising from the fact that the retail dealers are not in full supply, from the previous difficulty in regard to prompt shipments by the mills, their light stocks are keeping the demand fairly active, although, of course, not what it was two months ago. The mills have not to any great extent lessened production, although some outside competition has made a market less strong than has obtained for some time. Car load lots at mill, while nominally f. o. b. $1.40, under special conditions this quotation might be shaded 5 cents a keg. New York prices are for smaller lots from store, $1.60@$1.65.

Cut Nails: With a moderate demand, cut nails continue under similar conditions than prevailed at the time of our last report. A limited demand on orders, covering an assortment for daily wants, with prices remaining as previously: Car load lots delivered, New York, $1.40; Philadelphia, $1.38; Boston, $1.42; smaller lots from store being held at 10 cents a keg advance.

Linseed Oil: The Dean Linseed Oil Co., quote as follows: In lots of less than 5 barrels, 33 cents per gallon; in lots of 5 barrels or more, 32 cents per gallon; Boiled Linseed Oil, 2 cents per gallon higher; Calcutta Oil, 50 cents per gallon.

THE CHICAGO TRADE.

The backwardness of the spring weather has delayed purchases of a considerable number of spring goods until recently.

We are pleased to state, however, that the last ten days have developed quite an improvement, and the request from customers has become quite common to have orders rushed through with all possible dispatch.

Retailers have universally come to the conclusion that the bottom has been reached in prices, and stocks of goods have been materially reduced, hence there is little question as to prices. Goods sell more readily if they can be delivered immediately, and a decided improvement is noticed in the volume of mail orders.

There is a strong demand for nails, plain and barbed wire, quite an activity in roofing plates, refrigerators, lawn mowers, scythes, snaths, steel goods, poultry netting and wire cloth, and if the present satisfactory condition of business continues for the next sixty days, we will have liitle to complain of with respect to our spring trade.

WELLS & NELLEGAR CO.

THE PHILADELPHIA TRADE.

While this section of the country has much to be thankful for in view of the fact we have been spared disastrous floods, such as are now afflicting the Southwest, still we cannot report any great increase of trade over last month.

Business is moving along on an even keel, and, while a fair number of orders is reported daily, still the hand-to-mouth policy is still pursued, and stocks are everywhere kept at a low figure.

Even the very low prices which have prevailed for some time do not seem to tempt buyers into speculative purchases, and yet it can hardly be doubted that many goods are at, or below, the cost of manufacture, and any turn for the better must almost inevitably bring higher values.

The bicycle fever is again with us, and while the demand is apparently for the cheaper grades of wheels, still a large number is being sold, and the army of riders is on the increase.

Bicycle sundries are maintaining their phenomenal lead, and the business in this line this year is a marvel to every man who does not own a bicycle, and, therefore, does not know the number of wants which the bicycle brings to every owner.

Prices show very little change, barbed wire being at bottom figures, and nails holding quite firmly at the advance of ten cents per keg.

Collections appear to be somewhat better, and as labor is gradually finding more employment, it is natural to hope that the volume of money in circulation—as well as the volume of trade—will gradually and steadily increase.

BIDDLE HARDWARE CO.

THE PITTSBURG TRADE.

We are having a late spring, which has a tendency to delay trade. Last year screen doors and windows were largely sold by the jobbers before May 1st, and second or-

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Steam Fitters, Attention!



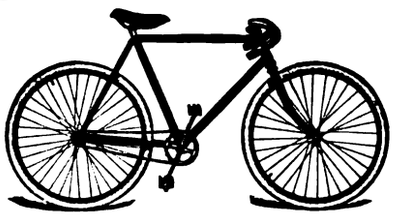
If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILL
PIPE VISES, RATCHET DIE STOCKS, ETC

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn



Cleveland Bicycles.

THE KEEN BUYER

Always compares the price of an article with its honest value as he understands it; but it is not always easy to determine the value of a **Bicycle**, as beneath the gaudily finished exterior of a cheap machine there lurks defective material and inferior workmanship.

Our '97 catalogue tells how to invest $100 or $75 in a bicycle and get the value of your money Write for it; a postal will do!

H. A. Lozier & Co.,

CLEVELAND, OHIO.

Send 4 cents postage for our booklet, "Shakespeare and the Bicycle." 12 special designs in colors by F. Opper, of "Puck." Mention this paper. . . .

ders were coming. This year they are only now beginning to move to the smaller trade.

The bicycle trade keeps up well, despite the continued rain and dark weather we have had. When country roads get into riding order, there should be a large demand from the smaller towns and villages.

Bids were opened recently by the United States government office for building locks and dams on the upper Monongahela River and for a short distance above Pittsburg on the Allegheny River. When the Monongahela navigation purchase by the government is completed, which is expected to be accomplished by July 1st, and the above improvement finished on the Monongahela, we will have free navigation to Fairmount, W. Va., opening an immense field of bituminous coal, to cheap transportation to the cities of the Ohio and Mississippi valleys.

Now that the tariff bill has reached the open Senate, we hope for a short debate, quick passage and adjournment of Congress. LOGAN-GREGG HARDWARE CO.

THE ST. PAUL TRADE.

We are very glad to say that business is very much better than it has been so far this year. We are now enjoying good spring weather. The farmer is busy putting in his seed, and the ground has never been in better condition for a good crop than it is at the present time. With business crowding us, we are not hearing as much about cut prices as we were before. The wire nail market still continues on a cost basis, but as other goods are selling very freely, we do not mind selling a few staple goods without profit. C. W. HACKETT HDWE. CO.

THE BUFFALO TRADE.

There seems to be very little at the present time that would be of special interest to the trade.

The unfavorable weather of the past few days, weakness in the iron market and only fair collections, have had a tendency to hold trade back.

The volume of business for April was an improvement over a a year ago, and when we take into consideration the present prices on many lines of goods, as compared with the prices of a year ago, we feel that we have little cause for complaint. If the present favorable weather continues, we look for a good business this month and hope we will all realize our anticipations to the fullest extent.

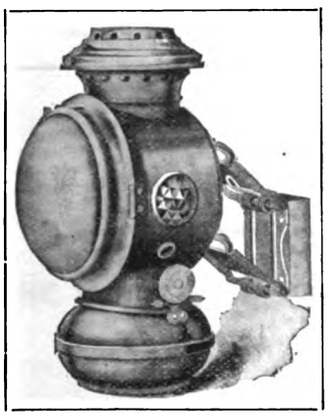
WEED & CO.

The monthly meeting of the New England Hardware Dealers' Association will be held at the United States Hotel, Boston, on Wednesday, May 12th, at 6:30 P.M. Dinner will be served at 6:45, and a business meeting will take place immediately thereafter. The matter of having the June meeting at some seaside resort will be acted upon. Other interesting topics will be discussed. The association will be favored with music by a mandolin, harp and guitar club.

The New England Filteration Co., of Boston, are putting on the market a pure washed filteration quartz free from all impurities. It can be easily cleaned by washing in hot water and drying in the sun or on the stove, and used over again; can also be used for packing any filter now in use, and is said to give the very best satisfaction.

The Norwalk Lock Co., having given up their New York store, Mr. Cowles, their representative, has secured office accommodations at No. 80 Chambers Street, a stock of their goods being kept by Underhill, Clinch & Co. as formerly at No. 94 Chambers Street, as they are agents for New York City and the surrounding territory.

Landers, Frary & Clark have removed from the premises so long occupied by them on Broadway, and are now located at No. 82 Chambers Street, New York, the old store of the Norwalk Lock Co.



Aladdin's Lamp THE NEW ONE

Price, $2.50.

Is unapproachable in the lamp makers' art. Its new features make it the seller of the year. Oil cup enlarged; reservoir and lens hinged and cannot be lost; patent lighter that beats the band; double unbreakable springs can be removed; without solder or rivets. Sold through jobbers only at attractive prices.

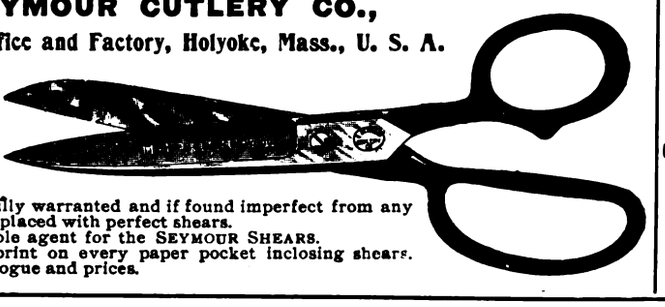
SEND FOR CIRCULAR.

THE ALADDIN LAMP CO., *107 Chambers Street, NEW YORK, and 518 Broad St., NEWARK, N. J.*

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Seymour Cutlery Co., ESTABLISHED 1839.
—SUCCESSORS TO—
HENRY SEYMOUR CUTLERY CO.,
Office and Factory, Holyoke, Mass., U. S. A.

Seymour Shears ARE THE STANDARD.



Every pair is fully warranted and if found imperfect from any cause will be replaced with perfect shears.
No commission house is sole agent for the SEYMOUR SHEARS.
Notice our imprint on every paper pocket inclosing shears.
Write for Catalogue and prices.

OILERS
25c. 10c.





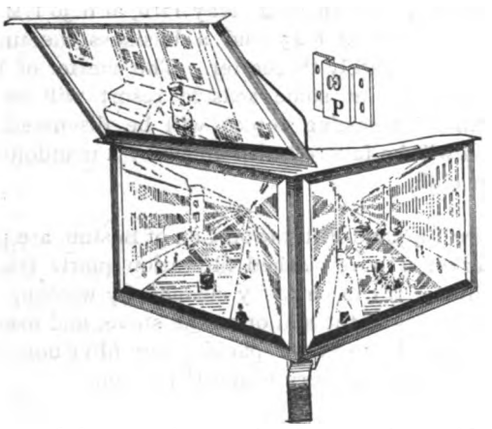
Highest Grade Oiler.
DOES NOT LEAK.
Regulates supply of oil.
A little higher in price but,—
The Best Medium Grade Oiler.
Made in best manner possible.
Second to none but the "Perfect."
CUSHMAN & DENISON, Mfrs., 172 9th Ave., N. Y.



Portable Striking Bag.
A Home Gymnasium. Stand in corner when not using. Agents Wanted. Send for Illustrated Catalogue.
Hawthorne & Stebbe, 600 Chestnut St., Philada., Pa.

The Perfection Window Mirror.

Bayer & Co., No. 28 North Thirteenth Street, Philadelphia, Pa., are engaged in placing upon the market a clever novelty in the shape of the "Perfection Window Mirror," which presents features which would make it undoubtedly as useful as it will be found entertaining. It will rapidly be found a favorite with the ladies, and prove more of a necessity than a luxury. By its aid, the busy housekeeper when in the upper part of the house, can ascertain who is ringing the doorbell, and thus, in the numerous calls of canvassers, peddlers, etc., the trouble and annoyance of



going up and down stairs can be frequently avoided. We give a graphic illustration of this ingenious window mirror, showing its pleasing utility, giving as it does a kaleidoscopic view of all that is happening on both sides of the thoroughfare, which covers in its scope a number of blocks. It is made to contribute endless enjoyment to the many invalids or the aged, who are confined in the house and otherwise incapable of varying the customary monotony of the sick room, and there is no physician but who would recommend its use in numerous complaints of a nervous character, as its advantages as a remedial agent by affording a pleasing diversity of mental effort would be conceded, upon even a slight investigation of its merits. In its use no necessity exists of raising the window, and the mirror can be placed on any floor. In the latest construction of the "Perfection," the plans include a rain shed extension, the arms are made stronger and heavier, which prevent their shaking, and to make it perfectly safe in all kinds of weather. It is provided with a heavy clamp having a thumb screw fastening; they are made waterproof, and to prevent rusting, are galvanized. Full information and circulars of prices will be forwarded upon request.

"Where is your clerk?" asked the pocket knife handler as he opened and felt of all the blades before he let go. "He got too fresh and I had to bounce him." "Why, I thought he was a nice chap, what did he do?" "Well, a lady came in and asked for a stove lifter and the smart cuss handed her a pint bottle of gasoline, which he said was accompanied with the usual guarantee."

Advertising is the most important part of every business under the sun. There is no question about that. And still it is the most generally neglected. No man can do business without letting people know, in some way or other, that he wants their trade. He can stand on the top of his factory, machine shop or lumber pile, swing his arms and yell—that is advertising—but he had better go about it in a surer way.—*Northwestern Lumberman.*

G. I. Mix & Co., manufacturers of spoons, etc., represented in this market so long and well by W. L. C. Glenny, have established their quarters in the store occupied by Harmon & Dixon, No. 100 Chambers Street, New York.

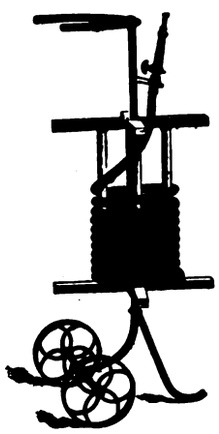
William R. McCullough, representing as New York agent the well-known axe handle concern, Turner Day & Woolworth Mfg. Co., has removed from his old location at No. 82 Chambers Street, and can now be found at No. 100.

The man who invented the cone-shaped glass lemon squeezer made $50,000 out of it and it is said was lately offered $100,000 for four other different inventions of the same simple and practical kind.

The "Brasher $16 gold piece," which was struck at Newburgh, N. Y., in 1786, was the first upon which "E Pluribus Unum" appeared.

STUBS' FILES & TOOLS.
S. J. ADDIS' LONDON CARVING TOOLS.
HAMMACHER, SCHLEMMER & CO.
DIRECT IMPORTERS
209 BOWERY NEW YORK.

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PATENTED.

The Great Destruction

that has been going on for many years can now be stopped by adopting the . . .

Hartzell Self-Draining Hose Reel.

It **Drains** and **Preserves** the **Hose**, so it will **last many years longer** than it formerly did. This is the **Cheapest Reel** your customer can buy, even though it sells for more money than some of the old styles that have been on the market from "Way Back." . . . . . .

No more Rotten or Bursted Hose

from water being retained in the hose, if wound on the **Hartzell Reel.** The **Spiral Channel** allows **all** water to **Drain Out.** This Reel has been under a practical test for years, and is a Pronounced Success. It has many friends who appreciate its . .

SUPERIORITY.

Goods Packed and Shipped in Dozens, Gross and Car Loads.

If you cannot buy them of your Jobber, the manufacturer will be pleased to fill your orders.

The Hartzell Novelty Works, (Sole Manufacturers) ALLIANCE, OHIO.



Our Fork Crown. "Pat. applied for."

Agents are wise who get an Agency

. . . FOR THE . . .

KENSINGTON

Full of tried and up-to-date improvements.

SELLS AT SIGHT.

THREE MODELS:——

$100, $75, $60

A Magnificent Line.

THE——

Martin & Gibson Mfg. Co.

BUFFALO, N. Y., U. S. A.



Our Name Plate.

Our Mails in the Early Days.

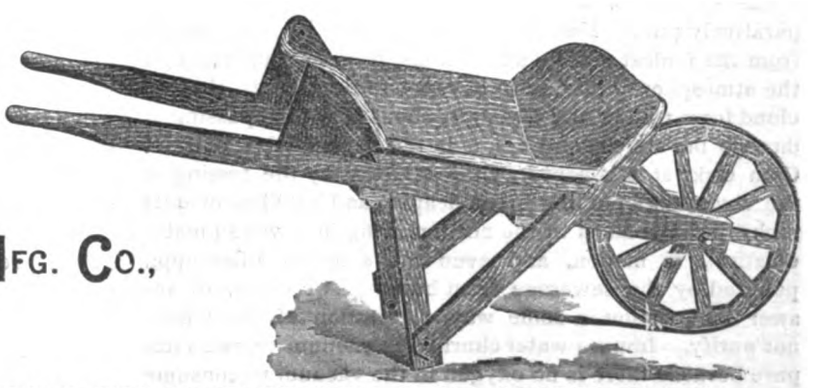
"In Washington's first term an effort was made to speed the mails—to move them at the rate of one hundred miles in twenty-four hours, or about four and a half miles an hour," writes ex-President Harrison in his "This Country of Ours" article in September *Ladies' Home Journal.* This would have been a notable advance, for the carriers were then taking nearly thirty hours between Philadelphia and New York. The roads were bad and there were many slow ferries. . . In 1776 there were only twenty-eight post-offices in the Colonies; in 1795 there were four hundred and fifty-three, and in 1895 there were 70,064. The rates of postage when the department was organized under the Constitution were high; for thirty miles, six cents for one letter sheet; for sixty miles, eight cents; for one hundred miles, ten cents, and so increasing with the increased distance to the maximum, twenty-five cents for distances over four hundred and fifty miles. Stamps were not used in those days, nor was the sender of a letter required to pay the postage in advance. The postage, six cents or twenty-five cents, as the case might be, was written by the Postmaster on the letter, and if the sender paid the postage the word "paid" was added; if he did not the postage was collected of the person to whom the letter was addressed. These rates soon yielded a surplus over the cost of the service, spite of the franking privilege which the law gave to Congressmen and the heads of departments. . . The demand of the newspapers and periodicals of every class for cheap postage, seconded bv their subscribers, has led to a reduction of rates greatly below the actual cost to the government. In his report for 1892, the Postmaster General, after stating that the present letter rate pays twice the cost of the letter mail, says that the book and newspaper mail is carried at a loss of six cents a pound. In recent years the Postoffice Department has been characterized by a very progressive spirit, and it is now rendering, not a perfect service, but a high-class service. No other department has more nearly kept pace with the marvellous development of our country."

For a time, if one could judge from appearances, there was a notion among many women who rode bicycles in this town that any clothes would do for the sport provided the skirt was short enough, etc. But there has been a change in this respect. And although the number is not so very large as yet, it is big enough to show all the signs of a repetition of what has already taken place in Paris. There a woman is just as particular about her appearance when she mounts her wheel as when she drives in a dogcart or sits on top of a coach. There can be no doubt that the insignificant appearance of many pretty women while cycling has been due to their carelessness in the matter of clothes. It is just as possible to look spick and span, tailor made and yet free in the matter of action, on a bicycle as on a horse. It is to be hoped that more will learn the trick. —*New York Sun.*

It's when a man is feeling blue,
So it is often said,
He has a disposition to
Go out and paint things red.
—*L. A. W Bulletin.*

"SCIOTO" for R. R. or Canal Work.

A thoroughly first class bolted barrow. Full sized Tray. Well planed, cleated, braced and bolted. Legs and cross pieces gained. Knocks down for shipping and is easily set up.



THE KILBOURNE & JACOBS MFG. CO.,

COLUMBUS, OHIO.

Producers of BARROWS, SCRAPERS, ROAD MAKING MACHINERY, STEEL SHAPES, Etc., Etc.

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Pure Water and Pumps.

The following interesting article in regard to the purification of water, and the well-known article manufactured by the St. Joseph Pump & Mfg. Co., St. Joseph, Mo., is taken from a recent issue of an exchange published in Kansas City, Mo.: The most elaborate chemical analysis of potable water ever made was by the Royal River Pollution committee of England, and later in the city of Memphis, our own country, shortly after the terrible scourge of yellow fever. The increased percentage of mortality of this Memphis committee caused the city government to appoint committees to examine the supply of drinking water. This committee recommended at first the filling up of all shallow wells and cisterns in their city, after making a thorough examination of many samples of water from different geographical formations. At about this time the ingenuity of man was demonstrated by the invention of the "Elevator Purifying Pump," which was universally adopted and placed upon cisterns and wells, and in no instance where these pumps were used for drinking and bathing purposes has there been a taint of any poisonous disease.

The results of these two direct tests are confirmed by scientific investigation. The healthiest parts of the country are where the water used is obtained from springs, mountains, brooks or deep wells. It is a startling fact, and yet within the perception of any reasonable person of mature years, that we will still persist in using water to drink, cook and bathe in which is decidedly impure and in many cases absolutely dangerous. How many of the sudden and mysterious kinds of disease are caused by poisonous water? There are hundreds of such cases where physicians have been puzzled until persistent investigation has discovered the cause. Perhaps some cesspool too near the water supply, some drainage or leakage into well or cistern. Persons in good health can take daily doses of poison in small quantities without immediately feeling the effect, but after a time the aching bones, stiff muscles, etc., indicate that something is wrong. The important questions next to consider are these:

First—What is pure water?

Second—What waters are naturally pure?

Third—How to purify impure water.

First—Pure water consists of twenty-four parts of oxygen and seventy-six parts of hydrogen. Pure water is soft, tasteless, colorless and odorless. It is particularly agreeable to the sense of feeling.

Second—Spring water, deep wells and mountain brooks are relatively pure, because they have never come in contact with impure matter.

Third—Many scientific men hold that a moving stream of water will purify itself in the course of a few miles.

Relying on this view, many of our people use water pumped into reservoirs which are in close proximity to sewerage or drainage, commonly known "waterworks" water, and which was received but a few miles above the drainage and sewerage of another city. Water taken to sea in casks "works," as the sailor terms it, and becomes comparatively pure. Nature answers it when it draws water from the foulest pools and streams, passing it up through the atmosphere in the form of vapor to the clouds, then in cloud form rolling and tossing it about and then passing it through the atmosphere again in the form of dew or rain. Open casks at sea kept in vital agitation by the tossing of the waves, the bubbling brook, leaping and bubbling over its rocky bed the lakes of the north moving in waves so mathematical, in motion, and even the sluggish Mississippi, polluted by the sewerage from hundreds of cities, all answer the question in some way. Agitation of itself does not purify. Impure water churned in vacuum remains impure because there is no oxygen in the vacuum to consume the organic or impure matter.

Prevention is so much better than cure that our first aim should be to so locate our wells as to avoid all possible drainage from cesspools, manure lands, barnyards and graveyards. Stored rain water is rendered "suspicious" because of the decayed shingles, rotting leaves in the gutters, and the organic matter is carried to the cistern. This is what gives to stored rain water its color and disagreeable smell. Stored rain water can be readily purified by oxygenation, which is accomplished by forcing air through it, and in many sections of our country is the only source from which we can obtain pure water with economy. The cheapest mode of forcing air into the cistern or well and raising the water therefrom is by the use of one of the celebrated "Perfection Water Elevator and Purifying Pumps."

Secure pure water, drink it, bathe in it, and the pores of the skin, as well as the more delicate membranes of the stomach, will open their ten thousand mouths and thank you.

"Machinery," by Bishop Potter.

At the annual supper of "The Church Association for the Advancement of the Interest of Labor," given last night at No. 23 St. Mark's Place, New York, Bishop Potter said among other things: "The great causes of the general ill-feeling and uneasiness among the laboring classes in the United States to-day may be divided into two classes—machinery and the manner in which the capitalist looks down upon the men who labor for him. Chief of these two is machinery. It is doing away with intelligence in labor. It is turning the laboring man into a simple idiot. Not long ago I visited a large factory in this State and was much impressed with what I saw. The owner proudly showed me around pointing out the manner in which labor was simplified. I saw a young man sitting before some sort of a large hammer. He sat with his legs crossed and all his work consisted in shoving into an opening in the machinery a small piece of iron. He would turn the metal two or three times, throw it into a large box, and take another piece. That was this man's work day after day, week after week. No wonder that at nighttime he drank, gambled, and fought. He had to; otherwise he would go mad. How many of us would stand this and not cry out? Not one of us but would become a striker. Myself among the first.

"The master of to-day looks down upon his men. He treats them as though they had no souls. They never get a chance to rise. Daily they drift further apart. In former days the owner of a large establishment took an interest in his servants. He knew every one by name, and promoted and helped them. To-day nothing like that exists. Few owners know any of their employees even by sight. Employers are constantly on the lookout for new inventions which will save money and throw out of work as many men as possible. The laboring men must be looked after if trouble is to be averted. They must make the capitalist respect their rights. Let them stand on their feet and use their voices.

"This association is looked upon as a dangerous and revolutionary one, because it tends to unite the Church with the laboring man in his great struggle. Say what they will against it, but I for one announce that from to-day on the Church of God is with the laborer."

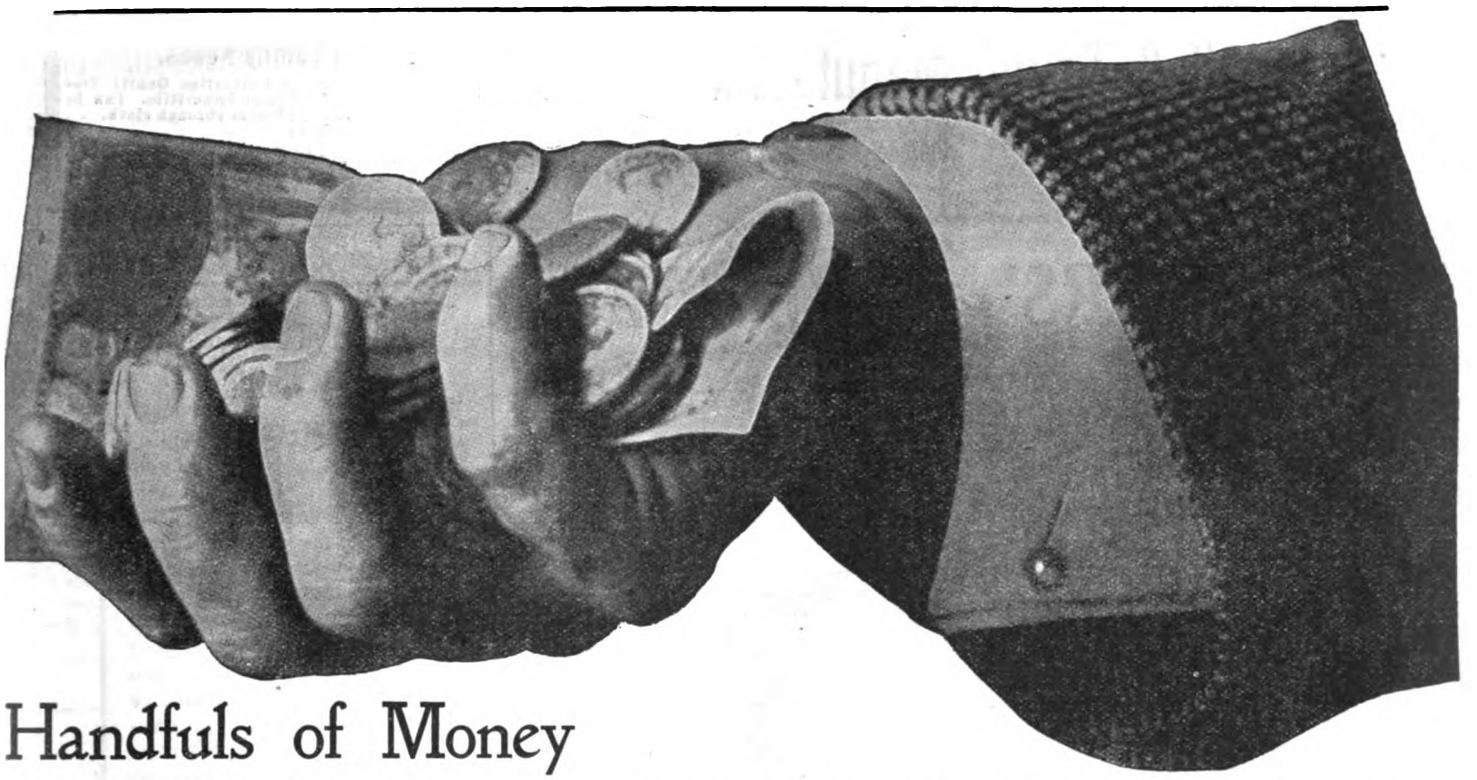
Henry White, Secretary of the United Garment Workers, spoke about the unions.

"The Church, although despised by many," he said, "is still a great organization and almost as powerful as the unions."—*New York Sun.*

[See editorial in this issue.]

If you cannot do what you want to do, grapple with that next to it which you can do.—*Hardware and Metal Reporter.*

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Handfuls of Money

Are made by thousands of merchants who use our systems for handling transactions between clerks and customers in their stores. Fill out and mail to us the blanks below and we will send you a handsomely-illustrated pamphlet describing one of these money-making systems in use in stores like yours.

When our agent is next in your vicinity he will call with sample registers and further explain the system; or if the particular system we send should not be satisfactory, he will, by aid of the information on the blanks, assist you in devising a system suited to your special needs.

When the agent calls he will supply you with our latest book on window dressing, and also a book containing valuable hints to clerks.

It is understood that sending this information to us places you under no obligation to buy.

Address Department H, The National Cash Register Company, Dayton, Ohio, U. S. A.

Answer the questions below.

Business _____

Name _____

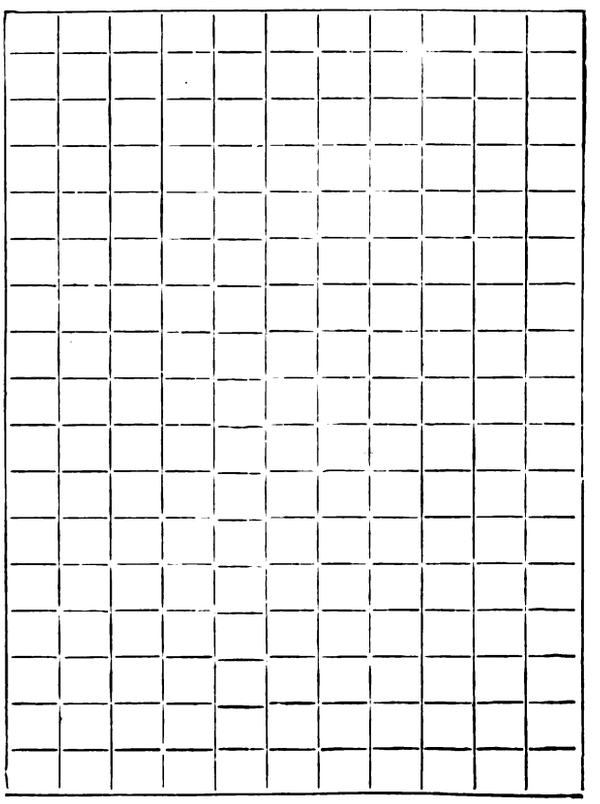
Town _____ *State* _____

Street Address _____

1. How many clerks?
2. Do clerks receive payments on account?
3. Do clerks pay out money?
4. How many cash-drawers?
5. Do clerks make change?
6. Are clerks' sales kept separate?
7. Have you a cashier?
8. Have you a bookkeeper?
9. Have you a head clerk or manager?
10. Do you buy country produce?
11. Have you cash boys?
12. Have you a cash carrier?
13. What per cent. of sales on credit?
14. Are credit sales entered in a blotter?
15. Are credit sales entered on duplicating slips?
16. Are cash sales recorded as soon as made?
17. Do your drivers take orders?

Make map of store below.

Show, by pencil, location of front door, counters, show-windows, show-cases, safe, cashier's desk or cash-drawers. Each square to represent five feet.



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Russell & Erwin Manufacturing Co.,

New Britain, Conn. New York. Philadelphia. Baltimore. London.

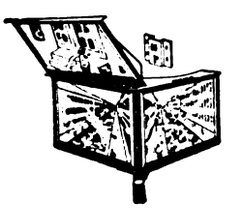
Manufacturers of

BUILDERS' HARDWARE.



Brabant Design.

Wrought Bronze Metal.



WINDOW - MIRRORS

To see up and down the street, eight to ten blocks, and who's on the door step.

THE BEST MADE, "THE PERFECTION."

. . . . Write for prices, etc.

BAYER & CO., 28 North 13th St., PHILADELPHIA, PA.

Do You Want Something Made?

My Specialty is to Manufacture for Other Parties.

Reasonable arrangements can be made. WRITE ME TO-DAY.

C. H. Angus, . Albany, N. Y.

Mfr. of Castings; Nickel and Brass Plating, Metal Pattern Maker, etc.

What Every Family Needs.

Pure Washed Filteration Quartz, free from all mineral impurities. Can be used in any filter or through cloth. . . Sold only by

The New England Filteration Co.,
564 Washington Street, Boston.

Give You Your Money's Worth.

Coldwell Lawn Mower Co., Newburgh, N. Y. [*Lawn Mowers*]: We think HARDWARE is enterprising, pushing, up-to-date, so to speak, and has a certain amount of get-up-and-get spirit about it, combined with a certain flavor of "I give you your money's worth when you advertise with us," that we like it—not for fun or sentiment, but for real business, and so long as you continue thusly you can count on our continuance.

"A Good Medium for Advertising."

Edw. K. Tryon, Jr., & Co., Philadelphia, Pa. [*Bicycles, Fire Arms, Sporting Goods*]: We consider the Hardware dealers as the legitimate and best class of trade to handle bicycles, and as HARDWARE reaches a great number of them we consider it a good medium for advertising this line. We think that sooner or later the bicycle business will be done almost exclusively through the Hardware trade, and in order to keep our line continually before them we shall continue to advertise in your columns.

Well Worth It.

I. B. Bolles, Wareham, Mass. [*Hardware and Farming tools*]: Enclosed find check for $1 for HARDWARE for the year 1897. We think it is well worth it. . . . .

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CONDENSED BUSINESS WISDOM.

"THE BEST OF ITS CLASS."

John M. Holladay, Holladay, Va.: HARDWARE is so nicely gotten up, and so well edited, giving such a variety of information, yet costs so little, that I cannot see how any dealer in Hardware can afford to be without it. It is the best paper of its class.

"THE BEST THING OF ITS KIND."

W. L. L. Morrow, Purdy, Mo.: I regard HARDWARE as the very best thing of its kind I have ever seen, and really at the low price of subscription I cannot see why it is not in the hands of every dealer in Hardware.

"WOULD NOT BE WITHOUT IT."

H. M. Seitzinger, Wilkesbarre, Pa.: Enclosed please find my check for $1 for renewal of subscription to HARDWARE. I would not be without your paper nor should any one handling electrical supplies.

"JUST WHAT HAS BEEN WANTED."

W. P. Walter's Son, Philadelphia, Pa: Enclosed please find $1 for renewal to HARDWARE. We think your paper is just what has been wanted for a long time for the retail Hardware trade.

"WELL PLEASED WITH 'HARDWARE.'"

W. W. Johnston, Bartlett, Ohio: Enclosed find $1 to pay my subscription to your journal. I am well pleased with the paper, and think it would pay all dealers in Hardware to take it.

"LIKES IT."

A. D. Matthews, Liberty, Me.: Enclosed find check for $1 to pay for HARDWARE for another year. The paper I like much.

"WELL WORTH THE MONEY."

A. A. Case, Pittsford, Mich: Enclosed please find $1 to pay for my subscription to your paper. I think it well worth the money.

"ALL WANT TO READ IT."

H. E. Iseman, Prattsville, Mich.: The boys all want to read HARDWARE as soon as it reaches us, and are delighted with it.

"WHAT EVERY MAN WANTS."

C. A. Fisk, Helena, Mont.: HARDWARE is what every man wants, who hopes to gain success in the Hardware business.

"A HELP TO OUR BUSINESS."

N. G. Bickford & Son, Mount Holly, N. J.: Please send us HARDWARE for one year from January 1st. Enclosed you will find the price of subscription. After examining the copy sent us we find the paper will be a help in our business.

"THE BEST OF ALL PAPERS."

S. I. King, Brighton, Mich.: I received a specimen copy of your paper dated October 10th, and I like it best of all the papers I have ever seen, devoted to the retail trade. Enclosed find $1 for which send me HARDWARE one year.

"CANNOT FAIL TO HELP OUR BUSINESS."

J. C. Tanger & Co., Hanover, Pa: Please find $1 enlosed for one year's subscription. After examining a specimen copy, we think it one of the best, and that it cannot fail to help us in our business.

"WOULD NOT BE WITHOUT IT."

H. D. Wyman, Mt. Dora, Fla.: You will please find enclosed check for one year's subscription to HARDWARE. I think a great deal of your paper, and would not be without it.

"NO JOURNAL ITS EQUAL."

Hendricks & Stall, Thayer, Kan.: While we are doing business a great number of miles from New York, we know of no journal that we consider the equal of your paper.

"MUCH PLEASED WITH IT."

Chas. N. Vittum, Laconia, N. H.: I am pleased to be one of your subscribers, as I am very much pleased with HARDWARE. I think it a very useful and interesting journal.

"WORTH WHAT IT COSTS."

Spence & Co., Keene, N. H.: Enclosed find $1 to pay for HARDWARE for one year. We think it well worth what it costs.

"CANNOT GET ALONG WITHOUT IT."

T. C. Lamson, Elizabethtown, N. Y.: Please find enclosed $1 for HARDWARE for one year. Can't get along without it.

"READS ADS. AND ALL."

Fred. A. Welles, Milwaukee, Wis.: I like your paper first rate, and I read the advertisements as well as the rest.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Akron, Ind.—D. Ball & Son.
Alvord, Tex.—L. E. Dillors.
Angleton, Tex.—The Conlin Hardware Co.
Bellingham, Minn.—W. H. Curran & Co.
Belvidere, Ill.—W. A. Disotell.
Boyd, Minn.—A. G. Nelson.
Climax, Minn.—J. O. Manger.
Cuba, Ill.—Kellner & Son.
Danville, Ill.—B. F. Boggs & Son.
Deadwood, S. D.—The Griffith-Benedict Hardware Co.
Denver, Col.—The Dewey Hardware Co.
Eagle, Mich.—L. McCrumb.
Frankfort, Mich.—F. O. Wickham.
Geneva, Minn.—Bailey & Gritchmacher.
Henning, Minn.—Ekin & Post.
Kemp, Ill.—J. D. McLean.
Marshall, Ind.—Robbins & Reddish.
Mecklenburg, N. C.—The Allen Hardware Co.
Newcastle, Wis.—George Mannion.
New Haven, Conn.—H. M. Perry.
New Rockford, N. D.—H. C. Hoy.
Pleasantville, Ind.—Medley & Douthit.
Waterloo, Ill.—Schmidt & Shulz.
Weston, Ohio.—Jones & Niver.
Zanesville, Ohio.—G. Fillmore.

Changes and Removals.

Adrian, Mich.—A. G. Lindgren, Hardware, etc., succeeded by Mark Graves.

Alcester, S. D.—M. J. Hubbard will move his Hardware store into the Watts Building at the south end of Main Street.

Allentown, Pa.—H. M. Norton is succeeded by the Gilbert Hardware Co.

Augusta, Me.—Vannah Hardware Co., J. W. Rafter has purchased Sidney Decker's share in business.

Austin, Minn.—Dalager & Urbach, Hardware, have dissolved partnership.

Baltimore, Md.—Sidney C. Norris & Co., cabinet Hardware, succeeded by R. Cromwell, under same style.

Barre, Mass.—White & Ballou, stoves, etc., dissolved.

Bedford, Iowa.—The Bedford Hardware Co. has been succeeded by W. P. Dorn.

Benzonia, Mich.—H. T. Phelps & Co., Hardware, etc., succeeded by H. T. Phelps.

Beresford, S. D. — Stephens & Seguin, Hardware, dissolved.

Bethany, Mo.—Cole & Pale, succeeded by Cole & Hamilton.

Brooeten, Minn.—Peter O. Roe, Hardware, has sold out his business.

Bridgewater, S. D.—William Savage will move stock into the Preszler Building.

Buffalo, Minn.—W. J. Ellis and E. O. McGaffey have consolidated under the name of McGaffey & Ellis.

Calais, Me.—F. A. Grimmer will remove his Hardware business from Lowell Block to the store recently occupied by the Popular Shoe Store.

Chesapeake City, Md.—J. A. Boulden has admitted his son, D. P. Boulden, to a partnership in his business.

Chester Depot, Vt.—P. H. Robbins, Hardware, etc., sold to E. J. Davis.

Chesterfield, Ill.—William Towse, Hardware, sold business to D. Hall, who will continue same.

Clarion, Iowa.—S. E. Reinius has disposed of his interest in the business.

Crawfordsville, Ind.—J. E. Fisher, stock has been purchased by Veris & Cox.

Colfax, Iowa. — The A. A. Penquiste Hardware Co. have added furniture.

Danville, Ill.—Jackson & Cunningham are succeeded by B. F. Boggs & Sons.

Devil's Lake, N. D.—T. A. Galbraith has purchased the business of William Hope.

Doylestown, Pa.—William L. Randall has moved his Hardware stock from Thompson Building to his father's store at State and Main Streets, on account of intention to tear down the old location. Mr. Randall anticipates joining his father in business in the near future.

Elmore, Minn.—V. J. Smith has been succeeded by Dodge & Blanchard.

Gaylord, Minn. — W. S. Swagler succeeds to the business of W. S. Swagler & Co.

Grand Rapids, Mich.—Huizenga & Kloet, Hardware, succeeded by Kloet & Hamstra.

Gronnigan, Minn.—Peter Kovonk & Sons have been succeeded by Bold de Buiper.

Harrietta, Mich.—Charles Will intends removing stock to Williamsburg.

Haverhill, Mass.—C. L. Bickford, Hardware, succeeded by Bickford & Rowe.

Hendersonville, N. C.—W. F. Edwards has moved into the new Cole Block.

Kingwood, W. Va.—Monroe & Jacksons Hardware, reported to have dissolved partnership.

Knowles, Wis.—Fisher & Sponholz Bros., Hardware, etc., succeeded by Sponholz Bros.

Latty, Ohio.—E. Shaffer has purchased the McDonald Hardware store.

Le Grand, Iowa.—Gimre & Hawbecker have sold out to Elsworth Butler.

Litchfield, Minn.—Johns & Casey, Hardware, business purchased by McNulty & Helgeson.

Madison, Minn.—Halvorson & Berko have dissolved, Mr. Halverson retiring. He will be succeeded by E. J. Knutson.

Mayville, Mich.—George Fox is succeeded by Charles Brown.

New Richmond, Minn.—Wright & Gardner have moved into the old Muldoon Building.

New Sweden, Minn.—Adolph Swenson has moved to LaFayette.

Perrysville, Ind.—W. G. Chenoweth succeeds J. F. Compton.

Pierre, S. D.—John Greenough's business has been purchased by his brother, Louis Greenough.

Rockingham (Bellow's Falls), Vt.—Eaton & Norwood, Hardware, etc., now Norwood & Field.

Salem, S. D.—Gilbert & Winn, Hardware, dissolved.

South Superior, Wis.—The Superior Hardware Co. have moved into new quarters.

Staples, Minn.—Brown & Pearce have gone out of business.

St. James, Minn.—Belanke & Orthing, Hardware, have improved and enlarged their quarters.

St. Thomas, N. D.—William McBride succeeds J. G. Ball.

Warren, Ohio.—The Warren Hardware Co. has increased its capital stock from $35,000 to $50,000.

Waterville, Minn.—James Peterson, Hardware, J. E. Williams has purchased a half-interest in the business.

White Bear, Minn. — J. A. Haussner, Hardware, has sold out to H. Mackenhausen.

Business Embarrassments.

Ashtabula, Ohio.—H. B. Kurtz, Hardware, in possession of sheriff.

Charlotte, N. C.—G. S. Johnson, plumber, reported to have made an assignment.

Clarksville, Tenn.—L. L. Tapp, Hardware, etc., has made an assignment. His stock is estimated to be worth $2000. The liabilities amount to $1054 58.

Depew, N. Y.—Hugh Matthews, Hardware, advertised to be sold out by sheriff.

Montreal, Can.—E. D. Colleret, Hardware dealer, assigned. Liabilities about $20,000.

Newark, N. J.—Hainski & Tucker, Hardware, sold out by sheriff.

Newman, Ill. — J. W. Records, Hardware, sold out by sheriff, and bought by Morehouse, Wells & Co., wholesale Hardware firm of Decatur.

Renville, Minn. — Hough & Peterson, Hardware, have made an assignment. W. H. Gold is named as assignee.

Sedalia, Mo.— John W. Houx, Hardware, Main Street, has made an assignment. The claims of the preferred creditors amount to $4200, and the assets are about $4000.

Stoughton, Mass. — Tower & Osgood, Hardware and stoves, have assigned.

Recent Fires.

Benton Harbor, Mich.—J. Barker, Hardware, destroyed by fire at a loss of $1200.

Bogota, Ill.—R. S. Faubian, Hardware, has opened new store.

Harrisville, W. Va.—W. S. Stout, Hardware, destroyed by fire at a loss of $10,000.

Knoxville, Tenn.— W. W. Woodruff & Co., damaged by fire at a loss of $42,000. Insured for $10,000.

Le Sueur, Minn.—W. H. Tomlinson, carriages and Hardware, damaged by fire to the extent of $2000. Fully insured.

Philadelphia, Pa.—Frank L. Donlevy & Co., Hardware, No. 833 Arch Street, damaged by fire at a loss of $200.

Philadelphia, Pa.—W. C. Heuszey, Hardware, Arch Street, slightly damaged by fire.

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POPULAR STEAK POUNDER

A NEW THING ∴ A GREAT SELLER



Not a Toy, but a Well-Made Tool.
Made of Tool Steel, Oil Tempered.

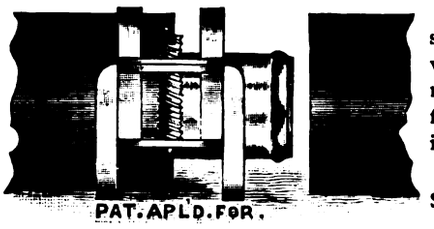
Send for Particulars Now.

Akron Hdw. & Stamping Co., AKRON, OHIO.

Double Cinch Hose Band and Mender.

One Band and Tube do the work of two of any other make. . . . .

A knife and screw-driver being all the tools needed to apply them. . . .

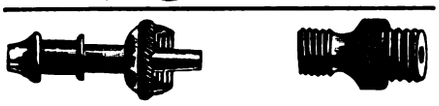


Mender Tube is seamless brass and will not rust. Does not obstruct the flow of water and is easily inserted.

Sold by Jobbers everywhere.

Sample free to inquirers mentioning "Hardware." Write for price list.

Address CLAYTON & LAMBERT MFG. CO., - Ypsilanti, Mich.



EAGLE

Bicycle Pump



MADE WELL!
SELLS WELL!
WEARS WELL!

Fills Tires Quicker Than Any Other Pump.

Connecting nipples all accurately threaded, and will fit all the well-known tires.

Write for Trade Prices Special Inducements to the Jobbing Trade.

Henry Haas & Son,
551-553 West 35th St., NEW YORK.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

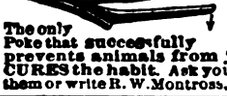
ROOFING SLATE.

OFFICE, 38 PARK ROW,
Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.

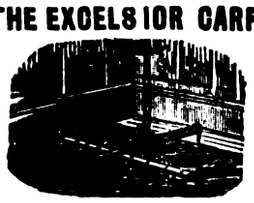
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Camp's SUCCESS ANIMAL POKE



The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

THE EXCELSIOR CARPET STRETCHER



and TACK HAMMER. Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.

DYER & DRISCOLL
PATENT SOLICITORS, 36 Wall St., N.Y

have done all my patent soliciting
work both for this and foreign countries
continuously for the past fourteen years.

Thomas A. Edison

Kearney & Foot Co.



Manufacturers of the
100-102 Reade Street, New York.

BEST FILES AND RASPS IN THE MARKET.

SEND FOR CATALOGUE AND PRICES.

Sidney Steel Scraper Co.,

MANUFACTURERS OF

Drag and Wheel Scrapers,
Wheelbarrows and Trucks.



WRITE FOR PRICES AND CATALOGUE.

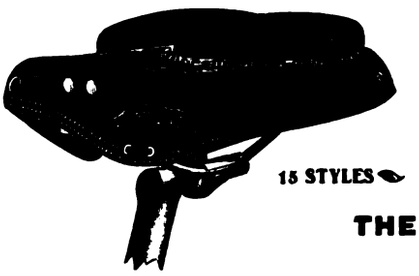
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Silver Plated Flat Ware In new Designs.

Write for Catalogue. Niagara Falls, N. Y.



LEADERS FOR 1897

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B. & W. Saddles

15 STYLES

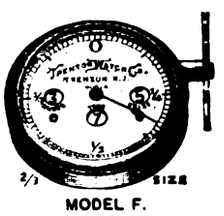
Absolutely the highest grade on the market. For perfection in design, beauty of finish, quality of material, and comfort in riding they surpass all others.

THE BUTLER & WARD CO.,
NEWARK, N. J., U. S. A.

TRUCKS OF ALL KINDS.
A. ADAMSON
MACHINIST.
Corner Exchange and Water Streets,
AKRON, OHIO.

General Machine Work, Molds for Bicycle Tires, Air Goods, Druggists' Sundries, Matrices for Hard Rubber Goods, Die Sinking, Hydraulic Presses, Special Machinery, etc. Estimates cheerfully given. Correspondence solicited. Work promptly done.

Rubber Machinery



MODEL F.

RETAIL DEALERS

Should ask their jobbers for revised prices on Model F—1,000 mile "Midget" Cyclometers. Registers 1,000 miles and repeats. *Price $1.00.* You can make money on them, as they out-sell larger models.

TRENTON WATCH CO.,
Trenton, N. J., U. S. A.

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Albany, N. Y.—The Thomas J. Dowling Co. capitalized at $20,000, will do business in the plant formerly owned by the Albany Stove Co. They will manufacture iron and steel work for building purposes, artistic work for fences, stairways, stoops, fire escapes and towers, stoves and castings of all kinds. The directors are Thomas J. Dowling, James H. Carroll and John W. McNamara, of Albany.

Columbia, S. C.—The Denmark Mfg. Co. was chartered recently. It will manufacture agricultural implements. H. H. Crum is president; I. Rich, vice president; J. E. Steadman, treasurer, and F. E. Holmes, secretary.

Florence, Ala.—The Florence Plow Handle & Mfg. Co. has been organized to manufacture plow handles, bent woods, etc.

Kansas City, Mo.—The Herrick Refrigerator & Mfg. Co., capital, $15,000. Incorporators, W.C. Herrick, Dennison R. Towne, A. J. Nutter and others.

Myerstown, Pa. — The citizens of this place have accepted a proposition submitted by W. E. Edgett, Smithbridge, Mass., to establish a machine manufacturing plant in the town, employing 100 men, provided the citizens subscribe $15,000 toward the enterprise. Building will begin at once.

St. Louis, Mo.—The Harrison Novelty Mfg. Co. has been incorporated by Frank J. Harrison, P. J. Ledwidge, Robert G. Gregory and others. Capital stock, $10,000.

Warren, Mass.—The Belknap Valve Co. will probably locate at Warren. It will be a new corporation, with a capital stock of $20,000 probably. William L. Belknap and C. H. Packer, formerly of Bridgeport, Conn., are the prominent men in the company. They will manufacture brass radiator valves and fittings and other small brass work. They will locate in the buildings owned by W. B. Ramsdell. Mr. Ramsdell will build a foundry in the rear, about 40 by 50 feet.

Improved Conditions.

Anderson, Ind.—A. C. Bramkamp, of Cincinnati, who brought $200,000 action for damages against the Woolley Foundry & Machine Co., of this city, last fall, which effectually called attention to the complete manner in which the nail trust was operating, received a check for $12,000 in compromise. The check was from the nail trust and Mr. Woolley.

Anderson, Ind.—It is quite probable that Col. John Hazen, of Cincinnati, and others will soon put in operation the Hazen Arrow wire nail mill at this point. The mill has been idle for over two years, the result of the nail trust, it is said, and has been under lease to the American Wire Nail Co., of this city. The American only used the Arrow mill as a warehouse. This lease expires May 15, and the understanding is that the mill may be started by some of the original owners and new stockholders who have come in since the dissolution of the trust.

Anderson, Ind.—The Wright Stove Co. has announced that the nail mill plant, recently purchased at Greenfield, was bought because of its rolling mill department, and that the entire plant will be converted to the manufacture of steel plate for shovels and the general market.

Camden, N. J.—The new life infused into the pottery industry by the Dingley bill was demonstrated by James P. Lyons, who owns and operates a large pottery at Trenton, and who took out two permits to erect buildings for a big sanitary ware pottery in South Camden. One building will be 524 by 40 feet and two stories high, and another will be 200 by 60 feet. About 150 hands will find employment in the works.

Cincinnati, Ohio.—Dietz, Schumacher & Boye, manufacturers of machine tools, will erect a commodious two-story brick building at Queen City Avenue and Buck Street. When completed the firm will occupy it as headquarters of its business, removing from the present place at the corner of Second and Plum Streets. Plans and specifications are on file at the office of the Buckeye Foundry Co., near the new site. The building will be 90 by 180 feet in size, and the firm expect to employ between 100 and 125 men when running full time.

Easton, Pa. — The Ingersoll-Sergeant Drill Co. has its entire establishment at this place, employing between 350 and 400 men, running regularly.

Florence, Ala.—The Florence Pump & Lumber Co. is introducing new lines of turned wood into its product.

Lancaster, N. Y.—The Lancaster Machine & Knife Works are so crowded with orders that new machinery is being put in and a large adidtion to the works will be built.

Lockport, N. Y.—The United Indurated Fibre Factory has resumed work in all its shops and departments, with 250 men.

Moline, Ill.—J. Fred Huntoon has agreed with the Moline Plow Co. for the sale of the Moline house property just opposite to the company's plant for $9000. At the same time J. H. Mueller has made a contract for the sale of his brick building and lot to the same company for $5500. This property will be very valuable to the company for many purposes. Mr. Allen, attorney for the company, says no deal has been made, but the company expect the deals will be completed.

New Haven, Conn.—The Belden Machine Co., which has occupied part of The Scranton & Co.'s factory in Congress Avenue, have purchased the old New Haven Nut Co. property in Westville, and have removed their plant. The Belden Co. came to this city from Danbury about eight years ago, where they had conducted a machine tool and drop forging business for about twenty years.

North Adams, Mass.—The directors of the Mannesmann Cycle Tube Co. and those of the Adams Water Power Co. have combined, and are organizing the Mannesmann Cycle Tube Works Co. Mr. Vaillant will be president, and Lawyer Howard Williams, of New York, treasurer. The new company is now being organized, and in the meantime the inventory is being taken. The former company took possession of the Zylonite Co.'s large plant last spring, and in preparing for work has expended over $150,000, which includes a water service by the Adams Power Co., valued at $70,000. About 600 hands is the complement.

Ottumwa, Iowa.—Petram & Hall are the manufacturers of a new carpet fastener which is attracting considerable attention.

Pottstown, Pa.—The Pottstown Iron Co.'s stockholders last week decided to increase their capital stock by over $1,000,000 cumulative stock at 7 and 5 per cent.

Seneca Falls, N. Y.—The Gleason & Bailey Mfg. Co. started in this month on full time. For a year and a half the shops have been running on short time.

Torrington, Conn.—The Union Hardware Co., which already employs several hundred people, is about to add materially to its plant by the erection of other buildings, and the moving here of another concern engaged in a similar line of industry. The addition will necessitate the employment of about 150 extra people, some of them coming with the new branch.

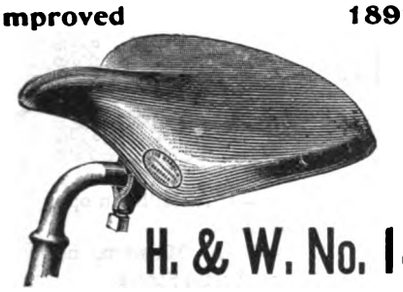
Troy, N.Y.—On the application of George B. Wellington, attorney for the receivers of the Walter A. Wood Mowing & Reaping Machine Co., Seymour Van Santvoord and Danforth Geer, Justice Fursman has granted an order permitting the receivers to manufacture and sell machines in the United States on a credit not to exceed nine months. The receivers are also permitted to purchase the necessary material for the manufacture of the machines.

Wheeling, W. Va.—The LaBelle Iron Co. in all probability, will build a new tin plate mill on the ground north of the present plant. The new mill will cost about $100,000, and will afford employment to fully two hundred men.

Wilkes-Barre, Pa.—It is given out on good authority that the gun factory at South Wilkes-Barre has passed into the control of Joseph Hendler and the Stegmaier family and that operations will be resumed there in a few days. The factory has been idle about two years because of dull business, but the new proprietors expect to secure one of the best gun makers in the country who will have charge of the works. Orders for 2000 guns have already been received, which will keep the factory in operation for four months, and many other orders are expected shortly.

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The Improved For 1897



H. & W. No. 14

Hinge Spring

COMMON SENSE SADDLE.

The most comfortable Saddle on the market.

7

Different Styles.

MANUFACTURED BY

The Harden Saddle & Specialty Co.,

TOLEDO, OHIO.

Write for Catalogue and prices.

JOB LOTS OF HARDWARE

I buy and sell in any quantity complete lines of HARDWARE. MANUFACTURERS having JOB LOTS will find me a ready purchaser. RETAIL DEALERS will find my prices lower than any house in the business. . . .

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Hastings & De Baun,

HARDWARE MANUFACTURERS' AGENTS,

124 Chambers St., New York.

NEW YORK OFFICE OF

THE PHOENIX HARDWARE MFG. CO.
MASON & PARKER. J. B. TATEM & SON.
THE BARNES TOOL CO. E. LOUD MFG. CO.

BICYCLE RIDERS ARE LOST



Without a pair of

Thiem's Patent Adjustable Toe Clips.

They give double driving or double stopping power. 800,000 pair in actual use.

THIEM & CO., Sole Mfrs., ST. PAUL, MINN.

"PRODUCTIVE OF RESULTS."

Pope Mfg. Co., Hartford, Conn. [*Bicycles*]: While little advertising seems to be necessary this year to sell Columbia Bicycles, we still feel that our advertising with you is productive of results.

GEO. F. TAYLOR'S SONS,

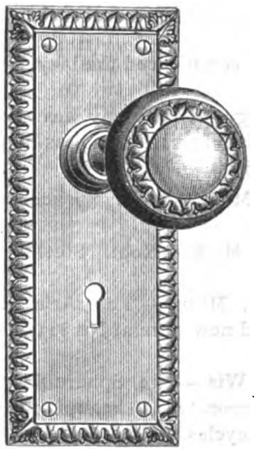
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NEW YORK.

BONE BLACK

For Tempering and Filtering Purposes.

Office Buildings



RT Design.

need many Locks, each Lock requiring a different key, but with master keys permitting the janitor to enter every room when necessary. The trimmings must be neat and serviceable, made to withstand constant use. Sargent's Locks are the best made for office buildings; their trimmings comply with every requirement.

Sargent & Company,
Makers of Fine Locks
and Artistic Hardware,
New York; and New Haven, Conn.



A Great Seller!

At a Good Profit.

Pike's Quick Edge Pocket Knife Hones, in display box, a practical sharpener for knives and scissors.

Send for Prices.

Scythe Stones, Oil Stones, Razor Hones, Etc.

THE PIKE MFG. CO.,
Pike Station, N. H.

REMEMBER THAT

DIAMOND CHAINS

Are fitted with the ONLY PRACTICAL HARDENED RIVET MADE and don't fail to specify them when ordering wheels. . . . .

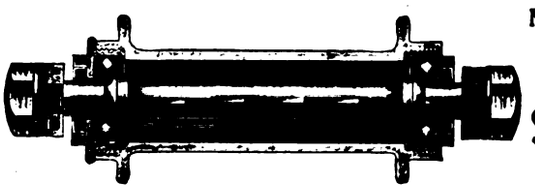


INDIANAPOLIS CHAIN & STAMPING CO.

INDIANAPOLIS, IND.

R. B. McMULLEN & CO., Chicago and New York, General U. S. Sales Agents.
New York Depot, J. S. Leng's Son & Co., 4 Fletcher Street.
Boston Depot, Very Cycle Co., 245 Columbus Avenue.
Pacific Coast Depot, Western Rubber Co., 14 Fremont Street, San Francisco.

SIMPLE SOLID SENSIBLE TIGER Bicycles.



No Castings! No Freaks! No Nonsense!

THREE GRADES,

$100, $75, $60.

Send for Art Catalogue M.

STODDARD MFG. CO., Dayton, Ohio.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Alexandria, Va.—The Universal Ball & Roller Bearing Mfg. Co. has been incorporated with S. S. Yoder, of Ohio, president, to purchase patents of, and to manufacture anti-friction devices. Capital stock, $400,000.

Asbury Park, N. J.—Wolley & Co. open new store.

Atlanta, Ga. — S. Thanhauser has accepted the Southern agency of the Lake City Cycle Co., of Milwaukee, Wis., and has opened an office at No. 28 Peachtree Street. He will sell only to dealers.

Atlanta, Ga.—The Gregory Spring Tire Co. has been incorporated by W. B. Gregory and others to manufacture a patent non-puncturable tire. Capital stock, $100,000.

Belt, Mont.—T. H. Campbell & Co. are agents for the "Columbia."

Chelsea, Mass.—The Linscott & Patten Cycle Co., organized with Geo. A. Patten, president, and J. M. Linscott, treasurer. Capital stock, $2500.

Chester, Pa.—B. D. Wright, new store. Thos. Swanger & Co., new store in the McCollum building.

Cincinnati, Ohio.—The Alpine Safe & Cycle Co. has been incorporated by John R. Kinsley and others. Capital stock, $50,000.

Cleveland, Ohio.—The Comfort Bicycle Seat Co. has been incorporated with a capital stock of $5000.

Coldwater, Mich.—The C. H. Belise Mfg. Co. has been incorporated under State laws, and will manufacture chain and mud guards for bicycles.

Cooperstown, N. Y.—Charles H. Kane opens new store in the Moak building.

Denver, Colo.—The Kearney Cycle Mfg. Co., recently of Kearney, Neb., has filed with the Secretary of State a copy of its articles of incorporation taken out in Nebraska, and a certificate that W. B. Walker had been appointed agent for Colorado. Their capital stock is $25,000.

Detroit, Mich.—H. Strassberg has opened new store at No. 256 Woodward Avenue.

Duncannon, Pa.—Charles Sieg has opened new repair shop.

Ellicott, N. Y.—The Straight Mfg. Co. has been incorporated by William H. Bentley and others to manufacture bicycles. Capital stock, $75,000.

Franklin, Mass.—Oscar Daniels has opened new store. He handles the Dayton wheel.

Harrisburg, Pa. — The Mechanical Improvement Co., has been incorporated by M. L. Dietzler aud others to manufacture bicycles, saddles and other patented articles.

Homer, N. Y.—L. Morse opens new store.

Hoopeston, Ill. — J. W. Shuck & Son have recently commenced the bicycle business.

London, Eng.—A company has been organized to manufacture chainless bicycles. Capital, $900,000.

Marquette, Mich.—L. M. Spencer opens new store.

Marquette, Mich.— Robt. Steele opens new store.

Minneapolis, Minn. — The Ariel Cycle Co. has opened new store at No. 823 Nicollet Avenue.

Milwaukee, Wis.—The Sphere Mfg. Co. has been incorporated to manufacture bicycles and unicycles. Capital stock, $100,000.

New Lathrop, Mich.—Stuart Bros. have opened new store, with sporting goods, Hardware, etc.

Newport, R. I.—Ed. Griffith, new store in Bryer building.

New York, N. Y.— Saranac Cycle Co. has been incorporated by L. M. Whittaker and others. Capital stock, $15,000.

New York, N. Y.—The Advertising Cycle Co. has been incorporated by Joseph Matthews and others. Capital stock, $10,000.

New York, N. Y.—The Union Tire & Supply Co. has been incorporated by August Silvers and others. Capital stock, $60,000.

Northampton, Mass.—H. M. Parsons has reopened business in Davis' store.

Sheboygan Falls, Wis.—W. M. Little, new store.

Sioux Falls, S. D.—Gregory & Maxwell, will open new agency on Ninth Street.

Springfield, Mass.—Wheeler & Alexander open new store in the Wollison block.

Toledo, Ohio.—The Monroe Mfg. Co. has been organized to handle and manufacture bicycles and bicycle ambulances.

Toledo, Ohio.—The Toledo Brazed Fork & Tube Co. has been organized with John B. Winslow, of Findlay, Ohio, as manager.

Toronto, Ont.—The Ranger Cycle Co. has been incorporated to manufacture bicycles.

Washington, D. C.—D. G. Pfeiffer, pianos, organs, etc., No. 417 11th Street, N. W., has added bicycles, and will handle the "Waverley."

Washington, D. C.—Sylph-Winton Cycle Agency, bicycle renting and repairing, J. P. Royston, manager, No. 600 F Street, opened up-town office at No. 702 Fourteenth Street, N. W., with full line of Winton, Trinity, Bellis and Overland cycles, under the management of F. P. Libbey.

Watertown, N. D.—Eichener Bros. have opened bicycle livery and repair shop on Maple Street.

Waverly, Mass.— George Putney opens new store in Chase block.

West Point, Miss.—Bailey & Martin will establish bicycle works, and engage in the manufacture of bicycles. They are in the market for the necessary bicycle machinery.

Whitinsville, Mass.—J. A. Milligan open new store in the Fox block.

Worcester, Mass.—F. A. Marsden, new repair shop, at No. 10 Austin Street.

Changes and Improvements.

Albuquerque, N. M. — Smith & Brockmeier, bicycles, succeeded by Henry Brockmeier.

Columbia, Mo.—Clendenin & Co., bicycles, succeeded by Edmunds & Stewart.

Columbusville, Ga.—Mrs. Philip Eifler, sporting goods, reported to have sold out.

Comanche, Tex. — McDermott & Hill, Hardware, sporting goods, bicycles, etc., have sold out to T. O. Levi, who will continue the business at the old stand.

Gadsden, Ala.—The Jones Cycle Co., new firm, under the management of I.W. Jones, will do bicycle repairing, etc.

Green Bay, Wis.—Thomas & Anheuser, bicycles, supplies, etc., reported to have dissolved partnership.

Louisville, Ky.—The Aquila Mfg. Co., W. M. McCowan, bicycle factory, will more than double the capacity of its bicycle plant, and will erect new building for accommodating the plant.

New York, N. Y.—Miller & Schnauffer, bicycle fittings, bicycle sundries, etc., No. 101 Reade Street, have removed to larger quarters, at No. 97 Reade Street.

New York, N. Y.—The Tinkham Cycle Co. have completed arrangements for the exclusive control of the Lovell Diamond and Excel wheels, manufactured by the Lovell Arms Co., Boston, Mass.

Toll City, Ind.—John V. Ross, Hardware, sporting goods, etc., has completed and taken possession of his new store.

Wadena, Minn.—Ed. Benedict, bicycles, contemplates the erection of new building for his bicycle business.

Worcester, Mass.—Buck & Hunt, manufacturers of leather elastic bicycle belts, have dissolved partnership, and E. E. Buck will continue the business alone. He has moved to the Bowker building, at Washington Square.

Recent Embarrassments.

Chicago, Ill.— Daniels-Foot Cycle Co., manufacturers of bicycles, reported to have made an assignment.

Cleveland, Ohio.—Eberhard Cycle Co., bicycles, reported to have made an assignment.

Dayton, Ohio.—S. N. Brown Co., manufacturers of hubs, spokes and wheels, S. N. Brown, president, has filed an individual assignment. Estimated assets, $40,000; liabilities not stated. Judgments against the company on notes aggregating about $25,000 and in favor of local banks, precipitated the receivership.

Norristown, Pa.—The Long-Mead Iron Co. and the Conshohocken Tube Co., of Conshohocken, have gone into the hands of receivers. The liabilities will amount to about $300,000. The assets will not be over $150,000.

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ELECTRIC RESULT

Without Battery.

"New Departure"

Door Bells,
Call Bells,
Table Bells,
Fire Bells,
Police Bells,
Bicycle Bells.

SEND FOR CATALOGUE "B."

John H. Graham & Co.,
113 Chambers Street,
NEW YORK CITY.

STERLING BELLS.



One Best THE Sterling.

Bells of all Description.
Send for Catalogue.

N. N. HILL BRASS CO.,
East Hampton, Conn.

Bells.



The belle of the ball on her escort leaned,
And so very happy the dear girl seemed,
That he took her aside to a cozy retreat
And told her the story that's always so sweet.



She perked up her lips, so enticing and fair,
And his own were reaching the heaven that's there,
When she said, "Dear boy, this is only a sell.
You'll first have to buy me that 'Climax' bell."

The new 1897 model "CLIMAX" Bell possesses without doubt the most improved Lock Clamp known. Can be adjusted to the Handle Bar quickly without removing the screw, thus saving all vexatious worriment in the operation, and at the same time presents a more attractive appearance than any other kind of an attachment.

We have just published a handsome little booklet to be carried in the vest pocket, containing lots of valuable information for the benefit of wheelmen. Send us a two-cent stamp and we will mail you a copy.

Climax Bell Co., 493 Washington St., Boston, Mass

BICYCLES FOR Hardware Trade.

High Grade and Low Priced Wheels.
MEN'S, LADIES' and JUVENILES.

NEW MAIL, Highest Grade, $85.

Featherstone and other lines, Medium Priced Wheels, offered as the

Best Lines in Market for 1897.

Surely get our quotations before placing your orders. Save you money!

Wm. Read & Sons, 107 WASHINGTON ST., BOSTON, MASS.

ESTABLISHED 1826.

RUMORS afloat Regarding

BICYCLES

Bearing this name plate.

ARIEL CYCLE MFG. CO. ARIEL GOSHEN, INDIANA.

Read one of them

REYNOLDSVILLE, PA.
March 15, '97.

ARIEL CYCLE MFG. CO.,
Goshen, Ind.

Gentlemen:—The '97 ARIELS arrived a few days ago, and in my judgment bears out your claim of being

"America's Best Wheel."

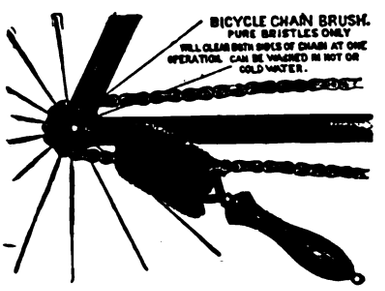
We ought to sell a car load of ARIELS this year and are going to try and do it.

Yours truly,
H. ALEX STOKE.

MANY MORE LIKE ABOVE.

If he can sell a car load cannot you sell a few as a starter? Write us—Catalogue.

ARIEL CYCLE MFG. CO.,
Goshen, Ind.



PRICE 15 CENTS.

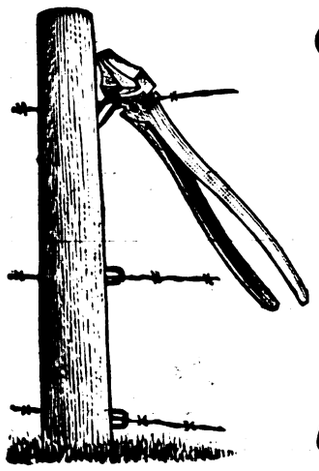


PRICE 25 CENTS.

Sent by mail upon receipt of price.

Hall & Downing,
82 West Broadway,
NEW YORK.

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CRONK'S
Combination Fencing Plier.

This newly invented fencing tool is needed by all people that build or have occasion to remove or repair wire fence, as it is made with two staple pullers, two hammers and two button cutters. They are the same heft as the 1½ Maydole Hammer, and they are made of forged tool steel. No good farmer will be without one. They are warranted to cut No. 8 hard or No. 6 soft wire. Like the celebrated Cronk Plier they are fully warranted in all respects. No. 12, 11 in. long, $12.00. Dis. . . .

CRONK HANGER CO., ELMIRA, N. Y.

WYNNEWOOD TANDEM AT $100.

Catalogue . . . Now Ready.

GOOD AGENTS WANTED.

Wynnewood BICYCLES AT $75, $60, and $50.

A. M. Scheffey & Co., 92 READE STREET, NEW YORK.

SEND FOR CATALOGUE.

REDUCED PRICES.

REMINGTON HAMMERLESS EJECTOR GUNS.



Five Grades.

Remington Arms Co.,

ILION, N. Y. 313-315 Broadway, New York.

SAN FRANCISCO, 425-427 MARKET STREET.

One of the First and Last Advertisers.

New Jersey Car Spring & Rubber Co., Jersey City, N. J. [*Rubber Goods*]: This company was one of the first to enter your list of advertisers, and we expect to be among the last to retire. We feel that HARDWARE is one of the publications we can't afford to stay out of.

AMES SWORD CO., Chicopee, Mass.

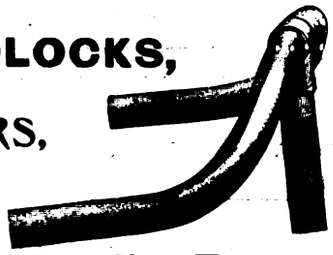
OUR SPECIALTIES:

PERFECTION PADLOCKS,

All Sizes, ½ inch to 2½ inches.

PROTECTOR REVOLVERS,

THE GREATEST NOVELTY OF THE AGE.



Compressed Seam Fork Sides and Handle Bars.

CORRESPONDENCE SOLICITED.

Best Class Trade From Hardware Line.

Sager Mfg. Co., Rochester, N. Y. [*Bicycle Saddles and Specialties*]: We have received a large proportion of the best class of trade from the Hardware line. We always regard it advisable to dispose of our goods wherever we can do so to advantage. We see no reason why the Hardware trade should be excepted. . . . . .

The Bicycle Rider Made Happy By Using

THE STODDER PUNCTURELESS TIRE.

Leave your Repair Kit at home.

It is Puncture Proof, Light, Durable Resilient and Speedy. No Steel Wire. No Leather Strips.

STODDER PUNCTURELESS TIRE CO.,

54 WARREN STREET, NEW YORK.

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To Bicycle Riders.

WE MAKE OUR TUBE OF FIFTY CARBON STEEL

Because a Tube like this of our .50% CARBON STEEL is just as strong as a Tube like this of .25% CARBON STEEL

While weight for weight in a Bicycle our FIFTY CARBON Steel will last so long [redacted] and TWENTY-FIVE CARBON Steel will last only so long [redacted]

NOTE THE FULL IMPORT OF THE PARALLEL LINES.

The comparison which they graphically make indicates the result of the prolonged investigations of the most practical experts of the world.

That the tests in our own laboratory corroborate these results is merely so much to its credit; that the same is true of actual trial on the road equally proves the trial to have been made in bicycles of correct design and construction. THE FACT REMAINS.

The margin of safety is greatly increased by the use of this tube. Every bicycle manufacturer should use it; every dealer should insist on having it; every rider should demand it. Send for catalogue.

THE POPE TUBE CO., Hartford, Conn.

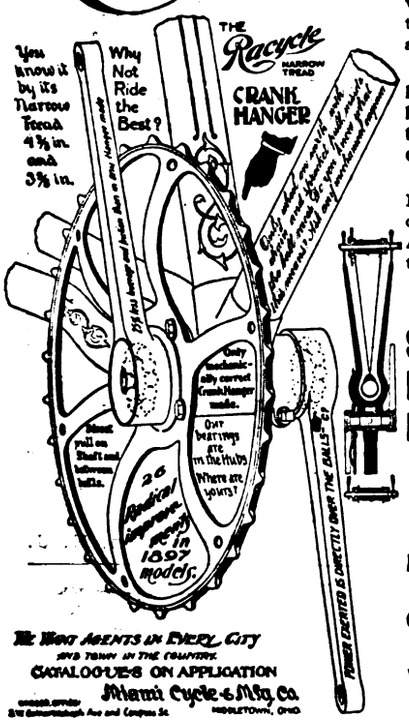
THE *Racycle* NARROW TREAD

$1000.00 IN CASH

Will be paid to the first one who can demonstrate that the following assertion is not a fact:

The Racycle Crank Hanger has from 20 to 30 per cent. less pressure on its bearings than the Crank Hanger of any other Bicycle on the market.

All infringements barred. No bicycle considered without the consent of the maker. Address all communications to RACYCLE, Middletown, O.



WE WANT AGENTS IN EVERY CITY AND TOWN IN THE COUNTRY.
CATALOGUES ON APPLICATION
Miami Cycle & Mfg. Co.
MIDDLETOWN, OHIO.

Special Racycles, $100
Racycles, - $75
Bicycles, - - $50

SEND FOR CATALOGUE.

New York Agency, 108 Fulton St.
Chicago Agency, 323 Wabash Ave.
Wash., D. C., Agency, Thomas Circle.





Miami Cycle & Mfg. Co.,
Middletown, Ohio.

The Mutual Life Insurance Company,

OF NEW YORK.

RICHARD A. McCURDY, President.

Statement, ...

For the year ending December 31st, 1895.

Assets - - - - - -	$221,213,721.33
Liabilities - - - - - -	194,347,157.58
Surplus - - - - - -	$26,866,563.75
Total Income - - -	$48,597,430.51
Total Paid Policy-holders in 1895,	$23,126,728.45
Insurance and Annuities in force,	$899,074,453.78
Net Gain in 1895, - - -	$61,647,645.36

NOTE.—Insurance merely *written* is discarded from this Statement as wholly misleading, and only insurance actually issued and paid for in cash is included.

Paid to Policy-holders since organization,	$411,567,625.79

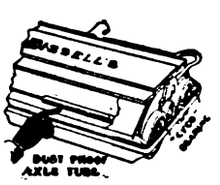
ROBERT A. GRANNISS, Vice-President.

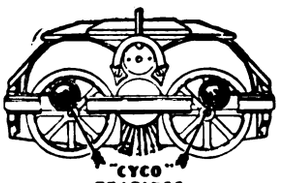
WALTER R. GILLETTE, - - - - General Manager,
ISAAC F. LLOYD, - - - - - - 2d Vice President,
FREDERIC CROMWELL, - - - - - Treasurer,
EMORY McCLINTOCK, - - - - - Actuary.

Bissell's

"CYCO" BEARING Carpet Sweepers.

The Greatest Improvement ever made in Carpet Sweepers.





Reinforcing the celebrated Bissell *"BROOM-ACTION"* and in connection with the *DUST PROOF AXLE TUBES* make the greatest combination known in Carpet Sweepers.

In our leading High Grade Sweepers these new features exist.

Send for Descriptive Circular.

Bissell Carpet Sweeper Co.,

GRAND RAPIDS, MICH. 103 Chambers St., NEW YORK.

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SAGER SADDLES.

Largest Variety, Largest Quantity, and Best Prices.

Regular leather saddles, padded hygienic saddles and pneumatic saddles.
Insist on **SAGER'S** and you will get the best. . . . . .

Sager Manufacturing Co.,

Most Extensive Saddle Works in the World. ROCHESTER, N. Y.



THE "SPARK" '97 MODEL

An up-to-date machine. **List, $60.**

ONE WHEEL. Best Grade. ONE PRICE, $60.

If you have a first-class store put in a first class wheel for your leader. THE "SPARK" will fill the bill. Address

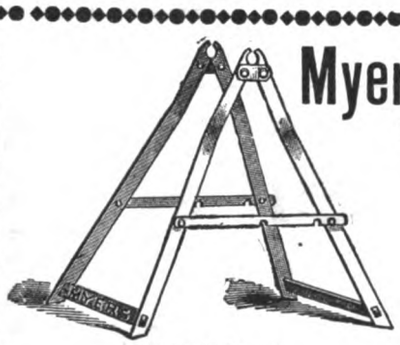
CANTON CYCLE MFG. CO.,
—Canton, Ohio

International Cycle Fittings Co.



EVERYTHING FOR A WHEEL.

70 & 72 READE ST., NEW YORK, U. S. A.



Myer's Home Trainer.

Bicycle Stand, - Truing Gauge
—AND—
Home Trainer.

The very best, most complete and cheapest trainer. THE HIT at all Cycle Shows.

Bicycle Stand.

NO NOISE. RUNS EASY.

Weight, 4½ lbs. complete, made of Spring Steel. Carries a 350 lb. man.

A First Class Cleaning Stand.

Will fit any wheel front or rear. A Home Trainer superior to any. Enables the customer to try and adjust wheel in store before purchasing. . . . .



Home Trainer Attachment.

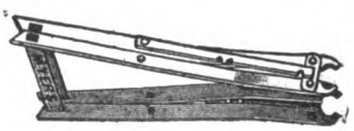
Truing Device Attachment.

Simplest and cheapest on the market.

Myer's Safety Bicycle Stand, $1.30; per doz., $7.20.
Home Trainer Attachment, - 1.00; " 6.00.
Truing Gauge. - - - 1.00; 9.00.



For Exercise or Training.



Stand Folds Up Like This.

OUR '97 CATALOGUE NOW READY.

UNION BICYCLE SUPPLY CO.,

Wholesale Jobbers in all kinds of
BICYCLES, SUNDRIES and MATERIALS,
Cheapest Bicycle Supply House in America. 68 Murray St., New York.

THE BANNER

Is the Cycle Lamp for '97.

None as handsome, as practical, nor as thoroughly and honestly made. Throws a powerful, broad light, having **a 3-inch optical ground double convex lens.** No lamp so easily cleaned. Has removable top burner and reflector, removable and **reversible oil pot.** The only lamp made with a positive wick-locking device—it acts on the ratchet. Your dealer should have them; until he has will send, carriage paid, for **$3.00,** to any part of the United States.



Rigid Bracket, adjustable to either Post or Fork; Ball and Socket Joint, 50c. extra.
Absolutely Wind Proof.
Will not Jolt Out.
No Solder to Melt.
Fills on Outside Oil Fount.
Solid Brass, Heavily Nickeled.
Burns Kerosene in Packed Fount.
No Splashing.
Handsome Side Lights.

5½ INCHES HIGH.

New York. Boston. Chicago. **PLUME & ATWOOD MFG. CO.**
FACTORIES: Waterbury and Thomaston, Conn.

You are dead slow

If you do not place a dozen or more



29 Inches.

23 Inches.
No. 2 or 6 Wheel Stand.
Price, $1.75.

Parker's Folding Bicycle Stands

in different places on prominent thoroughfares in your locality with your "ad." on top. . . .

FRED. HAWLEY,

40 Gold St., New York City.

YOUNG'S PATENT PORTABLE BICYCLE STAND



2 Wheel Stand.

Is the best of its type, made to hold one, three, five and seven Wheels. Its largest field of usefulness is on the sidewalks, public and private lawns, for the temporary rest of the Wheels. Merchants provide them for their Customers. Clubs for their Members. Factories for Employees. Schools for their Scholars. Parents for their Children, etc. Send for descriptive circular.

Partial Price List:

2 WHEEL STAND, $1.25 5 WHEEL STAND, $2.50
3 WHEEL STAND, $2.00 7 WHEEL STAND, $3.00

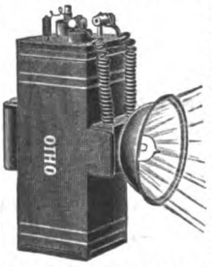
Liberal Discount to the Trade.

Lawn Cycle Stand Mfg. Co.,

Morristown, N. J.

WE UNDERSELL ALL.

It gives a Light that's White and Bright,
And two cents is the cost per night.



Bicycle Elec. Lights.	$4.00
Necktie Elec. Lights.	1.50
Edison Elec. Motors.	1.00
Battery Fan Motors.	5.00
$8 Medical Batteries.	3.95
$100 Bicycles, best make.....	39.00
$1.25 Bicycle Bells....	.50
Electric Bells, finest.	.30
Dry Batteries, best..	.25

Discount to Dealers.

Our Bicycle Electric Light is the best thing that ever happened. . . . . Catalogues free.

OHIO ELECTRIC WORKS, CLEVELAND, O.

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THE "Norton"



Address 505 SEARS BUILDING, BOSTON, MASS.

An Air Check.

A Good Seller.

DOOR-CHECK and Spring.

WRITE FOR PRICES.

BICYCLES

. . . Manufactured by

Ames Mfg. Co.

HIGH AND MEDIUM GRADES,

$100, $85, $75, $60.

Send for Catalogue.

ADDRESS

AMES MFG. CO., Chicopee, Mass.

The Brighton Ice Shredder



MAKES SNOW BALLS.
MAKES COOL DRINKS.

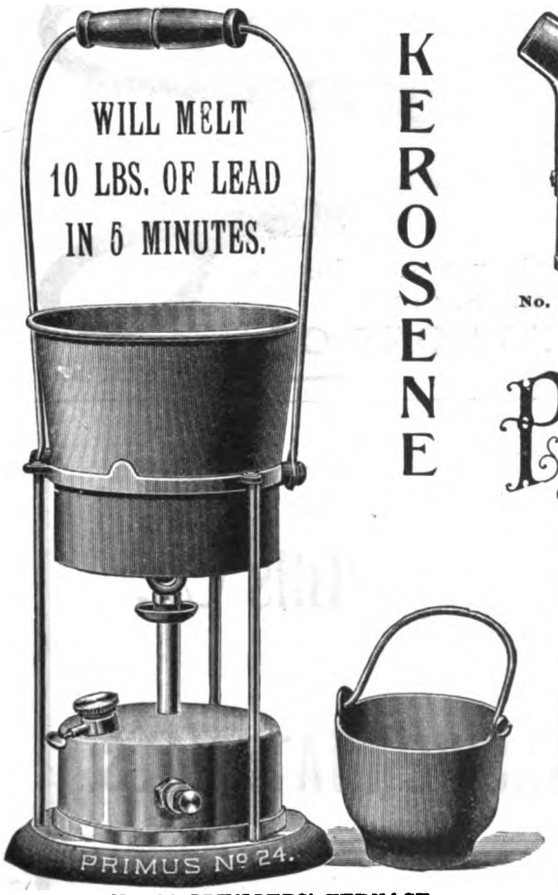
Makes more money for merchants than anything on the market.

It is well made--Steel Knife--Self-Emptying Cover.

TINNED ALL OVER.

Send for Circulars and at same time ask about Lemon Squeezers, Fruit Presses, Ice Goods.

LOGAN & STROBRIDGE IRON CO., - New Brighton, Pa.



No. 24 PLUMBERS' FURNACE.

KEROSENE



No. 40 BLOW TORCH.

PRIMUS

KEROSENE



No. 1 COOKING STOVE.

Positively Non-Explosive.

Burns any grade ***KEROSENE, without a wick, with a clear Blue Flame.***

Positively No Odor, No Smoke, No Soot.

THE MOST ECONOMICAL.

One Quart Kerosene Lasts Five Hours--Less than one-half Cent per Hour.

THE MOST POWERFUL.

The No. 1 Cooking Stove will Boil 1 Quart of Water in 4 Minutes.

Flame can be Regulated.

Primus Cooking and Heating Apparatus Co.,

197 Fulton Street, New York.

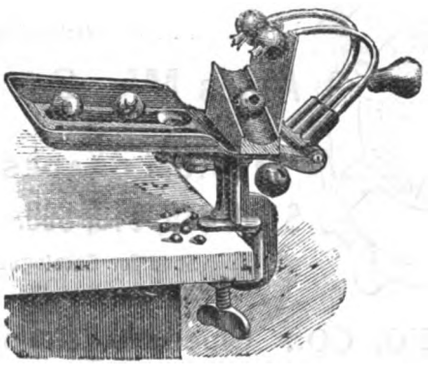
Manufacturers of the PRIMUS

Write for Descriptive Circulars and Prices.

Cooking Stoves, Plumbers' and Tinners' Furnaces, Giant Heating Apparatus, Painters' and Braziers' Torches, etc.

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No other Cherry Stoner does it.



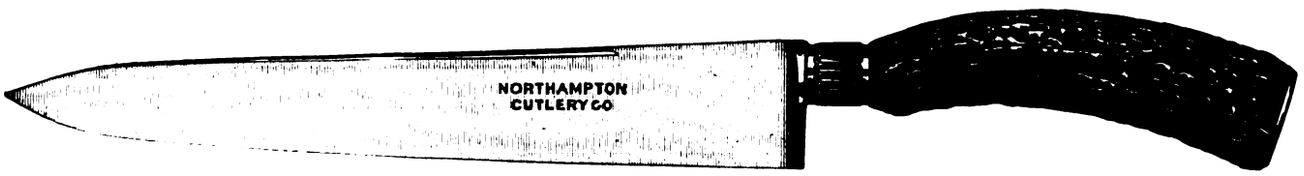
THE FAMILY

CHERRY STONER

Removes the stones from ripe cherries without wasting or mashing the fruit. . . . Write to us for name of nearest wholesale house carrying stock. . . . . .

GOODELL COMPANY, - ANTRIM, N. H.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.

New York Office and Salesroom, 96-98 Reade Street.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

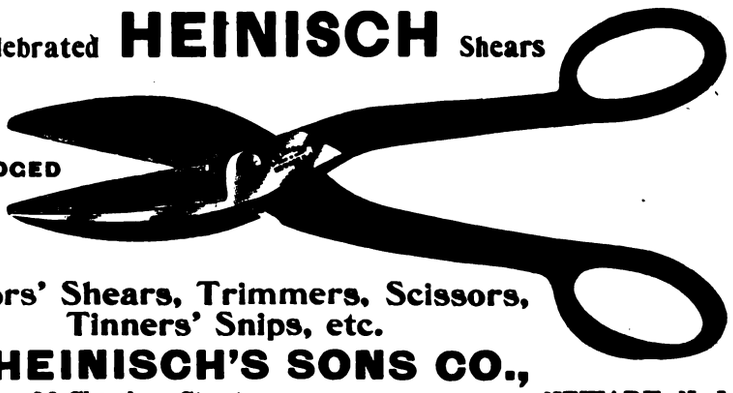
Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

SEND FOR CATALOGUE.

72 YEARS. ESTABLISHED 1825. 72 YEARS.

Celebrated **HEINISCH** Shears

ACKNOWLEDGED THE BEST



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.,

New York Office, 90 Chambers Street. NEWARK, N. J.

PROGRESSIVE AND ENTERPRISING.

Holmes & Edwards Silver Co., Bridgeport, Conn. [*Silverware*]: We recognize in HARDWARE a magazine progressive and enterprising.

FRANK W. GILBERT, Prest. O. C. EDWARDS, Treas.

Crescent Emery Mills Co.

MANUFACTURERS OF

EMERY & ABRASIVE MATERIALS.

EMERY WHEELS.
GRINDING MACHINERY.

OSCAWANA, N. Y.

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CATALOGUE FREE



GET OUR REDUCED PRICES



WELL TANK & SPRAY PUMPS

HAY CARRIERS, FORKS, PULLEYS &c.



F. E. MYERS & BRO.

ASHLAND, OHIO.



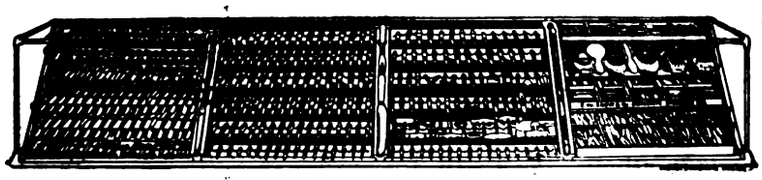
RESERVOIR PUNCH

For Euchre and Whist Parties.

This Pocket catches the pieces punched from Tally Cards, thus preventing a littering of the carpet.
Is hinged, can be opened, emptied and closed in an instant.
Of great value to Railroads as it prevents the replacing of pieces punched out of monthly or commutation tickets.
Also valuable in Restaurants where punch tickets are used.

PATENT APPLIED FOR.

F. J. MATTISON, PATENTEE,
50 Warren Street, N. Y., U. S. A.



STILL IN THE LEAD, AND CONTINUE TO RECEIVE HIGHEST PRAISES THROUGHOUT THE WORLD.

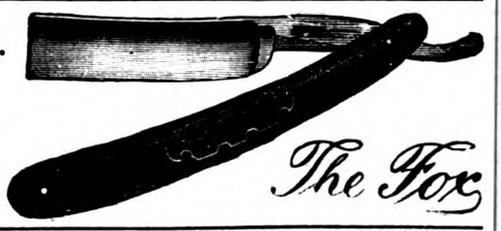
All styles Show Cases and Trays. Also Trays made to fit your own Cases. Each Tray slides in and out. Brilliant display. Quick sales.

Campbell's Practical Sliding Display Trays, Pat. Dec. 1, '91.
Write us. Manufactured only by CAMPBELL CUTLERY CO., Syracuse, N.Y., U.S.A.

Fox Cutlery Co., 92 Reade St., New York City.
Manufacturers of the well-known . . . .

FOX RAZORS.

If your jobber does not keep them write to us. Our samples and prices will interest you.

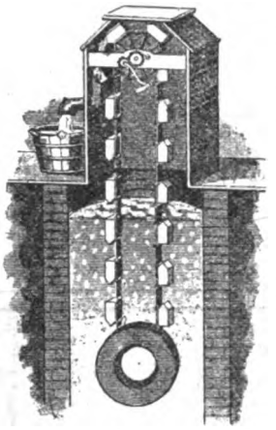


TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852.
Tools, Cutlery and Springs.



SCREWDRIVERS OF ALL KINDS - - SEND FOR CATALOGUE.

THE ONLY "PERFECTION" WATER ELEVATOR AND PURIFYING PUMP



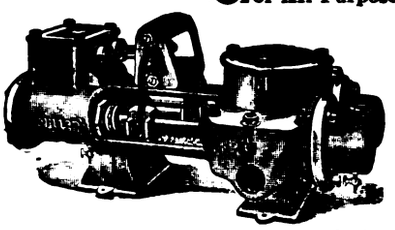
Dealers, get in line and sell your trade an article you can guarantee for ten years. The chain or buckets is the principal factor in any elevator. The **Perfection Bucket** is cut by die in one piece of **Black Open Hearth Steel** folded together by double lap seams, and the entire chain **Galvanized** after **Construction.** Others are made of several pieces of galvanized iron soldered together. Simply this one feature is a sufficient guarantee that the **Perfection** has no equal. It is handled by all leading jobbers throughout the world. Call for the **Perfection.** Take no substitute.

For full particulars, circulars, etc., address the sole manufacturers.

It is the simplest structure for raising water on the continent; guaranteed never to freeze. . .

St. Joseph Pump & Mfg. Co., St. Joseph, Mo., U. S. A.

The Miller Duplex Steam Pump
For All Purposes.



THE GILT EDGED PUMP OF THE WORLD.
MANUFACTURED BY
THE CANTON PUMP CO., CANTON, O., U. S. A.
Send for Illustrated Catalogue.



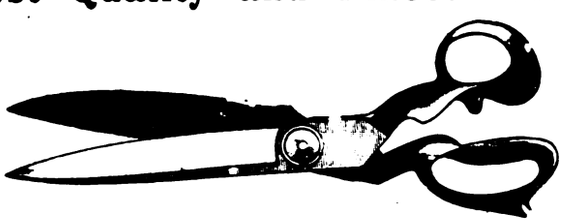
PITTSBURGH PUMP CO.
MANUFACTURERS OF ALL KINDS OF
FORCE LIFT SPRAY TANK PUMPS
SEND FOR CATALOGUE
322 LIBERTY ST. PITTSBURGH PA.



COVERT MFG. CO.,
WEST TROY, N. Y.
Harness Snaps, Chain, Rope and Web Goods, &c.

For sale by Jobbers at Manfrs. prices.

WHEN YOU WANT THE
Best Quality and Finest Finish



SHEARS, SCISSORS & TINNERS' SNIPS
YOU SHOULD HANDLE THOSE MADE BY
J. WISS & SONS, NEWARK, N. J.
We make the Largest line of
Tailor Shears, Trimmers, Barber Shears, Bankers', &c.

WE make a specialty of High Grade Shears suitable for Mill and Factory use. No mechanic can afford to use poor tools. Ours are the BEST in the line, consequently the cheapest. . .

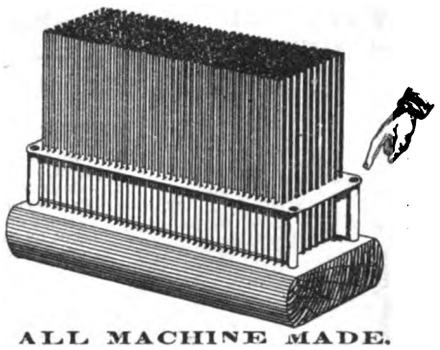
TRADE H MARK
G.W. BRADLEY'S
SUPERIOR QUALITY
CAST STEEL TOOLS
WESTPORT CONN.

BUSH HOOKS, DRAWING KNIVES, TURPENTINE TOOLS, SHIP CARPENTERS' TOOLS,
&c., &c., &c.
Goods carried in stock in New York for prompt shipments

Underhill, Clinch & Co.,
—SELLING AGENTS,—
94 CHAMBERS STREET, NEW YORK.

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"IRON CLAD."



ALL MACHINE MADE.

SEE

THIS STRUCTURE? WHAT'S IT FOR?

Well, it gives surprising durability!

Our goods are Guaranteed unsurpassed in Durability, Workmanship, Material.

Their elegance attracts the eye at once.

. . . *FOR FOUNDRIES, PAINTERS, ROOFERS, ETC.* . . .

SATISFACTION GUARANTEED OR MONEY BACK.

THE BUCHEL BRUSH NOVELTY CO.,

Mention "HARDWARE." NEW ORLEANS LA.

ESTABLISHED 1868

HAYES SKYLIGHTS (METALLIC) LATHING &c

71-8TH AVE. NEW YORK.

FIRE-PROOF CONSTRUCTION

BRUCE & COOK,

TIN PLATES AND METALS,

186, 188 and 190 Water St., 248 and 250 Pearl St. **NEW YORK.**

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears

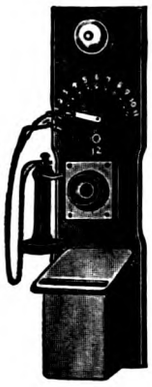


Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

TELEPHONES

For Your . . .

Factories, Stores, Offices and Exchanges.



We make the **BEST**

Send for Our Catalogue.

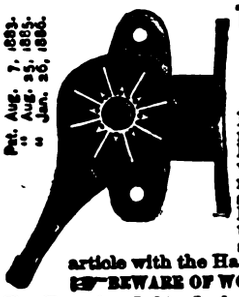
The Union Electric Co.,

15 High St., Cleveland, O.

It Strikes Every Hardware Dealer.

Harden Saddle & Specialty Co., Toledo, Ohio. [*Bicycle Saddles*]: In your HARDWARE of May 10, 1896, you were kind enough to give us a write-up, and must say from the number of inquiries we received on the strength of the same, that your journal, it seems, must strike every Hardware dealer in the United States. We have a number of new and improved saddles for the '97 trade, and wish to have an advertisement in HARDWARE. We enclose you clipping showing size of space we would want. Kindly send us price table and oblige.

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THE CHAMPION SIDE SASH LOCK

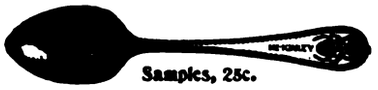
Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

KNIVES, FORKS, SPOONS,

Bicycle Pedals, Nut Cracks, Picks in Solid Nevada Silver or Nickel, or Plated on Steel, and Gold Aluminum Ware, Peppers, Salts and Napkin Rings, Tin Plated Goods. . . . . AT LOWEST PRICES.



Samples, 25c.

SEND FOR SPECIAL DISCOUNTS.

THE UPSON & HART CO., UNIONVILLE, CONN.

RESULTS VERY SATISFACTORY.

Charles Weiland, New York. [*General Hardware*]: I have been a constant advertiser in every issue of your paper since its incipiency. The results derived through the advertisements in your paper have been very satisfactory.

ELECTION OVER BUSINESS BOOMING.

A WARNING:

Send in your orders at once for the . . . . . ROGERS BRAND SILVER PLATED WARE.

We'll take them as they come — first come, first served—and we'd advise you to be one of the first.

New, smart designs now ready in this

Unrivaled Brand of Silver Plated Ware.

MADE ONLY BY US.

FACTORIES: Hartford, Conn. Norwich, Conn. Wallingford, Conn. Taunton, Mass.

WM. ROGERS MFG. CO.,

Market Street, - - HARTFORD, CONN.

BEST OF THE BEST in SPOONS and FORKS is made by

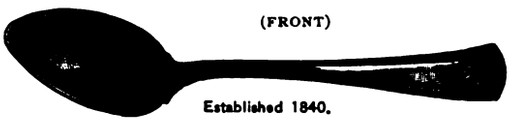
HOLMES & EDWARDS

Silver Plated. Solid Metal. Send for Circulars.

The Holmes & Edwards Silver Co. Bridgeport, Conn. New York Salesroom, 2 Maiden Lane.

Highest Grade of Silver Plated Ware In Spoons, Forks, Etc.

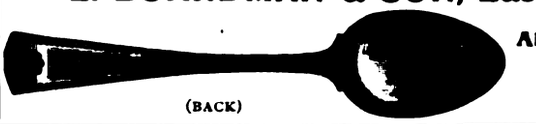
Manufactured by



(FRONT)

Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



(BACK)

Also Nickel Silver Flat Table Ware and Britannia Spoons

Write for Catalogue and Prices.

CORPORATE MARK,



JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States.

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of the following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.

LOOK HERE.

WHY BUY A PLAIN CONDUCTOR HOOK, WHEN YOU CAN GET CORRUGATED AT SAME PRICE



Catalogues free for the asking

L. D. BERGER, 159 N. 2nd St. PHILADA. PA.

ASK YOUR DEALER FOR THEM.

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JOHNSTON'S LIQUID GLUE FOR ALL USES.
1 oz. bottles per gro. $5.00
2 oz. bottles per gro. $8.00
JOHNSTON'S IMPERIAL CARPENTERS' PENCILS.
—HIGH GRADE.—
OVAL, BEVELED, TRILATERAL, HEXAGON.
Price per gro. $5.00.
J. D. JOHNSTON, Newport, R. I.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

Seed's Reversible Self-Cleaning ... WATER FILTERS
BRASS, NICKEL PLATED.
No. A1 Per dozen, $4.00 No. 3 Per dozen, $1.50
No. 2 " " 2.50 No. 4 " " 1.00
In 5 Gross lots, 10 per cent. off.
J. H. SEED, Manufacturer,
21 and 23 Centre Street, - - NEW YORK.

TURNBUCKLES.
MERRILL BROS.,
466 Kent Avenue, Brooklyn, E. D., N. Y.

If you would use only the best use
Barnes National Writing Ink and Mucilage.
BARNES NATL. INK CO.,
NEW YORK & PHILADELPHIA.

WOOD or METAL Workers
without steam power can save *time* and *money* by using our Foot and Hand Power Machinery
Send for Catalogues—
A—Wood-working Machinery.
B—Lathes, etc.
SENECA FALLS MFG. COMPANY,
334 Water St., Seneca Falls, N.Y.

THE CLEVELAND LAWN WEEDER.
The only practical device on the market. Sample free to Hardware dealers
Write for prices to your Jobber or
The Cleveland Lawn Weeder Co.,
612 New England Bldg., Cleveland, Ohio.

HOUSEFURNISHING HARDWARE & HARDWARE SPECIALTIES.
Basting Spoons, Cake Turners, Mincing Knives, Ice Tools, Tack and Nail Hammers, Hatchets, &c. Champion Cross Cut Saw Handles, &c.
KNAPP & PRATT MFG. CO.,
GENEVA, OHIO.

—ESTABLISHED IN 1874.—
ROCKFORD TACK COMPANY, ROCKFORD, ILL.
MANUFACTURERS OF
HIGH GRADE "Hardware" List of Tacks, Nails, Brads &c.
Also a full line of Shoe Finder's Tacks and Nails.
—Orders Solicited.—
Prices and terms quoted promptly on application

CORRESPONDENCE SOLICITED. WRITE FOR PRICE LIST & DISCOUNT
EXCELSIOR INJECTOR
N. A. WATSON ERIE PA.
WATSON FILTER

BEEN WITH YOU FROM THE BEGINNING.
Union Metallic Cartridge Co., New York. [Ammunition]: We have been with HARDWARE as advertisers from the beginning and expect to continue.

BEST INVESTMENT EVER MADE.
Divine Bros., Utica, N. Y. [Buffing Wheels]: Our advertisement in HARDWARE was the best investment we ever made in the advertising line.

Hardwaremen's Exchange.

Notices of ***HELP WANTED*** *or* ***SITUATIONS WANTED*** *will be inserted in this column free of charge. Should not exceed Four Lines.*

ALL OTHER NOTICES, *twenty-five cents per line.*

Help Wanted.

WANTED—A traveling salesman, who is thoroughly familiar with gas and oil stoves. To one who is thoroughly competent, a splendid opportunity.
Address PRIMUS COOKING & HEATING APPARATUS CO., No. 197 Fulton Street, New York.

RESIDENT agents wanted in all parts of the country to handle fastest selling and best paying Hardware specialty on the market. Address with references, stating territory desired, etc., MANUFACTURER, care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

A MIDDLE-AGED man of an extensive acquaintance in Eastern North Carolina wishes a position as a traveling salesman of Hardware; can command a good trade. Address L. R. LAND, Norfolk, Va.

A TRAVELING salesman with seven years experience in builders and general Hardware; can furnish A1 references as regards ability and integrity. Address A. P. H., care HARDWARE, No. 143 Chambers Street, New York.

DIE-MAKER—Position wanted. A1 practical die and tool maker, well up in all latest improved dies and tools for novelty or general Hardware, Dies for Blanking, Drawing, Stamping, Forging, Piercing, etc., for all sheet metals as Brass, Iron, Steel, Aluminum, etc., well up in modern shop methods to increase production; can design and develop ideas; have had ten years' experience in best shops of Massachusetts and Connecticut. Can accept first week in May. Best of references as to ability and character. Address DIE MAKER, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Situation as house or traveling salesman with Hardware or bicycle house. Fifteen years in retail Hardware and six with bicycles. Also have traveled a little. Can give best of reference. Address L. B. 84, Castile, N. Y.

WANTED—Thoroughly experienced bookkeeper, correspondent or office man desires position with responsible wholesale or retail firm. Address J. G. R., box No. 533, Lake Mills, Ia.

WANTED—By young man a position in wholesale or retail Hardware store, inside or outside. Have had six years' experience; can give all references; speak German and English. Address RELIABLE, care HARDWARE, 143 Chambers Street, New York.

YOUNG man, 21, over six years' experience in offices of large Hardware concerns. Best references. Good writer and figurer. Ambitious. Address A. B. H., No. 41 East 106th Street, New York City.

YOUNG man (28) practically experienced in manufacturing and selling metal ware, moderately familiar with important European languages, wants position with concern intending development of foreign trade. Willing and able to do any other work in addition when desired. A. M. ENERGETIC, care HARDWARE, No. 143 Chambers Street, New York.

WANTED position with wholesale Hardware house, or stove manufacturer, as traveling salesman, or grocery house. Have had experience, especially on the road. Best of references furnished. Address M. U. N., care HARDWARE, No. 143 Chambers Street, New York.

AS clerk or bookkeeper in general retail Hardware store; seven years experience. Address SEELEY, No. 302 Pine Street, Towanda, Pa.

SALESMAN well known to the retail Hardware trade of Philadelphia, would like a position to represent either a New York jobbing house or Eastern manufacturing. Address E. A. W., care W. J. Lockhart, No. 235 North Ninth Street, Philadelphia, Pa.

WANTED—By experienced Hardwareman, aged 24, a position as indoor salesman. First-class reference. Active, energetic and industrious. W. T. CLARK, No. 354 Giddings Avenue, Cleveland, Ohio.

TINMAN.—Situation wanted by a tinman as manager of tinning or coating department of tin mill; good references. Address TIN, care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a practical metal pattern maker. First class on ornamental work, and a good chaser. An expert on cored work. Nine years' experience as foreman, and competent to design and make dies, tools, jigs, etc.; to manufacture specialties in the most economical manner. Reference. Address MECHANIC, care of J. W. Leix, No. 717 Clinton Street, Ottawa, Ill.

THOROUGHLY experienced bookkeeper, correspondent or office man desires position with responsible firm. Best of references Address J. C. H., P.O. Box 261, Rochester, N. Y.

EXPANSION BOLTS


For fastening all kinds of structure to brick and stone work
Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue B. Toledo, Ohio.

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Situations Wanted.

DESIRED by a practical Hardwareman a permanent position with some live house. Understands thoroughly builders' Hardware and mechanics tools. Salary moderate; reference of the best. Address PRACTICAL, care HARDWARE, No. 143 Chambers Street, New York.

A COMPETENT clerk or salesman; ten years' experience; age, 26 years. Can speak German. Address L. SCHOEN, No. 16 Fourth Avenue, New York City.

POSITION as foreman in a room. Understands how to handle help to the best advantage. Have had experience in hydraulic press work. Thoroughly understands steam, water and hydraulic pump fitting. Address FOREMAN, care HARDWARE, No. 143 Chambers Street, New York.

A TRAVELING salesman with nine years' experience in builders' and general Hardware, desires a position in a wholesale house. Is willing to travel, having traveled through Pennsylvania. Is 28 years old and strictly temperate. References. Address CHARLES JONES General Delivery Post-office, Philadelphia, Pa.

A MAN of long experiense in the Hardware business desires a position with a manufacturing concern, preferably builders' Hardware; has held position of responsibility and in managerial capacity. Address B. H., care HARDWARE, No 143 Chambers Street, New York.

SALESMAN, fifteen years on road, cutlery and Hardware, wants situation. New York and Philadelphia references. Address TRAVELER, No. 2444 Natona Street, Philadelphia, Pa.

POSITION wanted.—A salesman well known among the Hardware export, housefurnishing and department store trade is open for engagement. Address H, care of HARDWARE, No. 143 Chambers Street, New York

WANTED a position as stenographer by a lady who has had over five years' experience with a large Hardware jobbing house. Best of references given and required. Address F. E. W., No. 723 Church Street, Lynchburg, Va.

AN A-1 metal pattern maker, experienced in various lines, desires situation. Address PATTERN, care HARDWARE, No. 143 Chambers Street, New York City.

SITUATION wanted.—A practical Hardwareman; been four years with a first-class house as price and discount clerk; a rapid and accurate figurer; a hard worker; references first class. Address DISCOUNT, care HARDWARE, No 143 Chambers Street, New York City.

WANTED—BY young man 29 years of age; has had ten years' experience in wholesale builders' and general Hardware, in or outside position with wholesale or extensive retail store. Address RUSSELL, care HARDWARE, No. 143 Chambers Street, New York.

A GENTLEMAN of good business capacity with executive ability, twenty years in general Hardware, desires a position with some wholesale or manufacturing concern; competent as salesman, buyer or manager; fully acquainted with office duties, the details of a large business and accustomed to handling help. Willing to go anywhere. Satisfactory references. Address F. A. G , P.O. Box 247, New York.

YOUNG MAN of 23, with six years' experience in Hardware business (Chicago), would like position in tool or builders' Hardware line, latter preferred; best of references. Address C. S., care HARDWARE, No. 143 Chambers Street, New York City

Side Line Wanted.

WANTED—To represent manufacturers of Hardware and woodenware specialties by a man visiting every wholesale Hardware and woodenware house between New York and the Missouri, on salary or commission. Address 2030 Franklin, care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman wishes one or more good side lines for the New England States. Will start about the 10th of March. Trade visited: Hardware, Harness and Carriage repositories, Clothing stores. A1 references. Address MONITOR, No. 402 Bronson Avenue, Rochester, N. Y.

A WELL-KNOWN firm, representing several factories as New York office, wishes to add at least three good lines either on commission or salary. Address MANUFACTURERS' AGENT, care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN calling on the Hardware and drug trade can learn of a profitable side line by addressing F. O. X., care HARDWARE, No. 143 Chambers Street, New York.

WANTED.—Side line, by salesman calling on the Hardware trade. Address M. A. N., care of HARDWARE, No. 143 Chambers Street, New York.

PAINTS, VARNISHES, ETC—Situation to sell to the retail trade of Northern Ohio. Address A. L. S , care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WANTED a Commission House to market in the United States a Hardware Specialty. Address Box 255, Perth, Ont.

Side Line Offered.

SALESMAN wanted who calls on the retail Hardware and drug trade in New York State and Pennsylvania to sell a line of Razors Strops as side line. Address "B," care HAKDWARE, No. 143 Chambers Street, New York.

SALESMEN wanted visiting the Hardware trade, to sell a high grade metal polish. Good inducements Address CROSS, care T. J. Nay & Co., Nos. 18 and 20 Franklin Street, Brooklyn, N. Y.

WANTED—Salesman who goes to the retail Hardware trade through Middle and Southern States, to sell the Akron Spirit Level. Address AKRON LEVEL WORKS, Akron, Ohio.

PARKER'S Folding Bicycle Stand—a good seller and profitable. Address F. HAWLEY, No. 40 Gold Street, New York.

WANTED—Resident agents in all cities outside New England to handle a new household device of sterling merit, that sells at sight when shown in practical operation; large profit. CLIMAX MFG. CO., No. 235 Washington Street, Boston, Mass.

Tools Wanted.

COMPLETE set of new or second hand Tinners' Tools wanted, Stowe's make preferred; must be cheap. Address J. S. RIDENOUR, Jackson, Ohio.

Store Wanted.

TO BUY—Wanted a Hardware store. Address E. I. P , care A. Seelig, No. 10 Second Avenue, New York.

For Sale.

A CLEAN stock of Hardware and stoves in county seat of best agricultural county in Ohio. Established business. Must give attention to other interests. Address "NORTH," care HARDWARE, No. 143 Chambers Street, New York.

HARDWARE store for sale; stock all new within three years. Only eight miles from Boston, Mass.; 6000 inhabitants; only one other store of the kind in town; $2000 stock. Will sell at a discount having other business. Address B. A., care HARDWARE, No. 143 Chambers Street, New York.

AN old reliable and profitable Hardware business, in one of the best county seats in Ohio; new, clean stock; good reasons for selling. Address, immediately. "OLD RELIABLE," care of HARDWARE, No. 143 Chambers Street, New York.

Attention! Hardware Dealers!

WANTED—Hardware dealers who handle bicycles to write us for particulars regarding Norwood Bicycles. HALL & DOWNING, No. 82 West Broadway, New York.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Agency Wanted.

GENTLEMAN with over twenty years' experience in general Hardware, wishes to correspond with some manufacturers with a view of representing them in the South. Address J. W. JOHNSON, Drawer, Birmingham, Ala.

A MAN of fine experience in miscellaneous Hardware, tinware and housefurnishing goods (is now employed), desires to make changes. Wants to represent best houses. Prefers those who seek all available dealers and make prices "F.O.B. destination." Large trade acquaintance in North and South Carolina. Address STRICTLY COMMISSION, care Carrier No. 7, Charleston, S. C.

A MAN of twenty years' experience in the Hardware business wants to act as direct representative in New York and New England for a few first class manufacturers on salary or commission, presenting such lines to the export and large Hardware trade in that territory. Address D. R , care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a young man with thirteen years experience, to represent some Horse Shoe or Horse-Shoe Nail Manufacturer or Manufacturers' Agent; can furnish best of reference. Address EXPERIENCE, care HARDWARE, No. 143 Chambers Street, New York.

AMERICAN, 29 years old, experienced in business and a salesman, offers his services in Boston and New England on commission basis to manufacturers producing salable line of goods, and in such a thorough representation will be assured. Address H. C. D., care HARDWARE, No. 143 Chambers Street, New York City.

AGENCY WANTED—To represent in New York one or more manufacturers for the domestic and export trade; well acquainted with export commission houses. R. B. Thomas, No. 114 Nassau Street, Room 208, New York City.

Rubber Agency Offered.

CYCLE Tires $4 88 pair; best '97's; Durable, Resilient; Full Guarantee. MINERALIZED RUBBER CO., No. 18 Cliff Street, New York.

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WRITE FOR QUOTATIONS



GET OUR PRICES BEFORE ORDERING.

Mention "Hardware."

Headquarters
FOR
ELECTRIC and PORTABLE
Watchman's Clocks.
Lowest Prices. Latest Improvements.
PATENTS 1886-1892.
Write for Price List and Card showing difference between N. Y. time and local time in all parts of the world



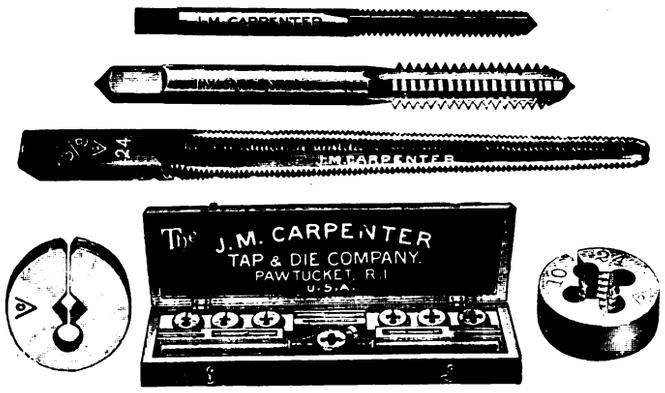
THE "ALERT."
This is a One (1) Station Watchman's Clock
Price, with 100 paper dials, complete, - $

E. O. HAUSSURG, 41 Maiden Lane, New York.

THE GEO. W. STANLEY CO.,
BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails,
Double-Pointed Tacks and Staples.

THE WATERBURY
FARREL FOUNDRY
AND MACHINE CO.
WATERBURY, CONN. U.S.A.

We have selected a few cuts from our Pamphlet of Miniature Illustrations, and have classified them in a series of small circulars, viz.:
No. 1. Rolling Mill Machinery for sheet metal
No. 2. Tube and Wire Mill Machinery.
No. 3. Silverware and Coining Machinery.
No. 4. Hardware and brass Goods Machinery.
No. 5. Bicycle Machinery.
If you are a manufacturer of sheet metal articles you are naturally interested in new machinery, and it will cost you only a two-cent stamp to request us to forward any of the above circulars.



Send for our CATALOGUE No. 11 B, describing
SCREW CUTTING TOOLS
FOR
BICYCLE REPAIR WORK.



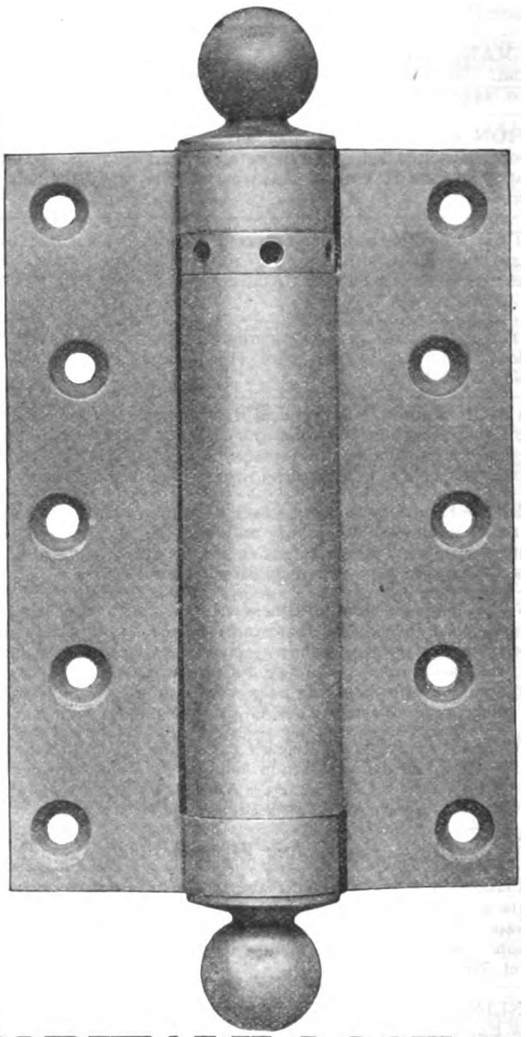
LACLEDE-HERCULES
BATTERIES
For Door Bells,
Telephones,
and Annunciators.

WARRANTED stronger and longer lived than any other Sal-Amoniac Battery made. . . . . .

MADE ONLY BY
PERU ELECTRIC MFG. CO.,
PERU, IND

ALSO MAKERS OF
ELECTRICAL PORCELAIN
OF ALL KINDS.

◆ Send for Catalogue. ◆



NORWALK LOCK CO.,
Manufacturers of
Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.
—SALESROOMS:—
Underhill, Clinch & Co., New York, 94 Chambers St
New York, 83 Chambers St. Boston, 300 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)

SHOOT BLUE ROCKS.
For Sale by all Jobbers.
Foreign Trade Supplied Direct or Through Exporters.
The Cleveland Target Co.,
Cleveland, Ohio.

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PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—

House Carpenters.....
Ship Carpenters..... 40&12½&5
Railroad.....

Ammunition—

CAPS, PERCUSSION—₩ 1000—

M. C. Co. and Hicks, trimmed edge.....47 @ 50c
U. M. C. Co. and Hicks ground edge.....47 @ 50c
Musket, Waterproof, 1-10's..45 @ 50c
G. D.....28 @ 30c

CARTRIDGES—

Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.10@1.15
B.B. Caps, Con. Ball, Swgd $1.75@1.80

PRIMERS—

Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—

First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS, LOADED—

With Black Powder...40&10&10&5%
With Nitro Powd'r.40&10&10&10&5%

GUN WADS—₩ 1000—

B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&2%

SHOT—

Drop Shot, sizes smaller than B, 25-lb bags, ₩ bag.....$1.25
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.50
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.50
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$2.00
Dust Shot, 5-lb bags, ₩ bag....$ .50
Jobbers frequently deduct 5@10 cents ₩ bag.

POWDER—

Laflin & Rand:

Orange Rifle ex., kegs	25 lb	$4.00
	12½ lb	2.25
	6¼ lb	1.25
Orange, Special, kegs	25 lb	5.00
	12½ lb	2.75
	6¼ lb	1.50
Orange Ducking, kegs	6¼ lb	2 25

(For 1000 lb lots 10% discount.)

Blasting and Mining, A..25 lb 2.25
Blasting and Mining, B. 25 lb 1.50

Laflin & Rand W.-A. Smokeless:
Sing e Canisters.....$1.00
10 Can Drums.....$9.00
Discounts on application.

CANISTER POWDER—

E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12

KEG POWDER—

Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 1.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 4.00
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.25
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 4.00
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 2.25
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.25
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 5.00
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.75
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.50
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50
Du Pont Sporting Powder, for lots 1000 lb 10% discount:
Du Pont Smokeless Powder:
Kegs, equal in bulk, to 25 lb Black Powder.....$22.00
Half Kegs, equal in bulk to 12½ lb Black Powder..... 11.25
Quarter Kegs, equal in bulk to 6¼ lb Black Powder..... 5.75
Canisters, equal in bulk to 1 lb Black Powder..... 1.00
Discounts on application.

HARD GRAIN SMOKELESS—

Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

TARGETS AND TRAPS, INANIMATE—

Cleveland Target Co.:
Blue Rocks ₩ 1000.....$5.50
Expert Traps, each.....$5.50
Extension Traps, each.....$4.00

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....₩ doz. $3.80
Galien Safety.....₩ doz. $3.75
Hartman's Pivot.....₩ doz. $4.75
Iowa Farming Tool Co.:
Hawkeye.....₩ doz $3.25
Western.....₩ doz. $3.75

Anvils—

American "Horse-Shoe"...9¼@9¾c
Armitage's Mouse Hole.....8¾@9¼c
Eagle Anvils, ₩ lb 9c.....15@15&5%
Hay-Budden, Wrought.... 8¼@8¾c
Peter Wright's.....9¾@10¼c
Samson.....8¼@9c
Trenton.....8¼@9c

ANVIL AND VISE COMBINED—

Cheney Anvil and Vise.....40%
Holt's.....40@40&10%
Millers Falls (with drill) $18.00..20%

Augers and Bits—

Boring Machine.....70&10@75%
Cincinnati Tool Co.:
Bell hangers' bit.....40%
Brace twist drills for metals. 50&5@50&10%
Brace twist drills for wood. 40&5@40&10%
Screw and plug.....35&10&10%
Cleveland Wood Bits for Brace, Style A, No. 114.....50&5%
Common.....70&10@75%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Forstner Pat. Bits.....35%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 20.60%
Nobles Double Spur, No. 33.70&1 %
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Pat. Car Bits, No. 10.....40%
Pat. Car bits No. 30.....60%
Ring Augers.....70&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Russell Jennings' Augers and Bits. 25&10&2½%

HOLLOW AUGERS—

Bonney's Adjustable, No. 4, $14.00. 20%
Cincinnati Adjustable.....25&10%
Cincinnati Standard.....25&10%
Douglass'.....33⅓@33⅓&10%
Ives.....33⅓@33⅓&10%
Millers Falls, Goodell....15&7½&10%
Universal, each $4.50.....20%

EXPANSIVE BITS—

C. E. Jennings & Co.....33⅓%
Cincinnati.....25&10&10%
Clark's small, $18.00.....45%
Clarks' Large, $36.00.....45%
Ives' Model, ₩ doz. $60....50@50&10%
Steer's No. 1, $26; 2, $18.....40%
Stearns' No. 2, $48.....20%
Swan's.....40@40&10%

GIMLET BITS—

Diamond ₩ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 50&10%
Double Cut, Common, ₩ gro. $2.75 @$3 25
Double Cut, Douglass'....40&10@50%
Double Cut, Ladds'.....70%
C. E. Jenning & Co.:
Double Cut.....70%
German.....50%

BIT STOCK DRILLS—

Cincinnati Tool Co., for wood 40@ 40&10%
Cleveland Wood Bits for Brace 50&5%
Syracuse, for wood.....40%

TWIST DRILLS—

Cleveland.....60&5@60&10%
Morse Twist Drills.....60&5@60&10%
New Process.....60&5@60&10%
Standard.....60&5@60&10%
Syracuse.....60&5@60&10%

SHIP AUGERS AND BITS—

L'Hommedieu's.....15&10%
Snell's.....30&10@40%
Watrous'.....40%

Awls—

Dunlap's Brad.....25%
Dunlap's Handled.....25%
Handled Brad, ₩ gr.....$3 00@$3.25
H'ld Scratch ₩ gr.....$3.75@$4.00
Pat. Peg ₩ gr.....33@35c
Sewing, Com.....₩ gro., 35c@$1.00
Should. Peg ₩ gr.....$1.35@$1.45
Shouldered Brad. ₩ gr...$1.50@$1.65
Socket Scratch ₩ doz. ..$1.0 @$1.10
Stanley Rule & Level
Handled Brad.....40&10%
Patent Pegging.....50&10%

Awl and Tool Sets—

Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60&10@60&10&5%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Ice Awls.....65%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $13; 4, $13; 5, $18.. 15@15&10%
C. E. Jennings & Co.'s Adjustable Tool Handle. No. 10, $8.50; 45, $4.50; 65, $6 00; 75, $9.00; 175 $10.00 ₩ dozen net.

Axes—

First quality, best brands. $5 00@5 25
First quality, other " $4.50@4.75
Beveled add 50c ₩ doz.

AXES, HANDLED—

Peck's:
Champion Blade...per doz., $12.00
Empire.....per doz , $9.00
Firemans'.....per doz., $25.00

HATCHETS—

Collins.....10%
Findlay Axe & Tool Co...50@50&10%
Hunt's, Underhill's or Blood's... 50@50&10%
Peck's:
Champion Blade.....45%
Empire Brand.....50&10%
Fayette R. Plumb:
Broad, New List.....40&12½%
Lathing.....40%
Shingling.....50%
Warehouse.....40&12½%
Vulcan Tool Co.....60%

Balances—

Chat llon's:

No.	2000	20	30
₩ doz.	75c	85c	$1.65 net

Circular Balances.....60%
Straight Balances.....50%
Circular Spring Balances.50&10@60%
Common 24 lb. .....₩ doz. 80c net.
Ice.....50&10%
Straight Spring balances.50&10@60%

Barrel Drainers—

National.....30%

Beef Shavers—

Enterprise:
Japanned, each, $6.50.....25%
Tinned, each, $7.50.....20%

Bells—

HAND—

Extra Heavy Brass.....65&10%
Light Brass.....70&10%
Globe (Cone's Patent).....40%
Silver Chime.....40%
White Metal.....65&10%

DOOR—

Crank, Cone's.....10%
Gong, Abbe's.....40@40&10%
Gong, Barton's.....40&10@50%
Gong, Yankee.....55&10%
Lever, R. & E. Mfg. Co.'s.60@60&10%
Multi-Stroke.....50%
New Departure.....45@50%

COW—

Common Wrought.....60&10%
Dodge, Genuine Kentucky 70@70&10%
Kentucky, Sargent's List..... 75%
Texas Star.....60&10%
Western, Sargent's list.....75%

Bellows—

Blacksmith's.....70@70&10%
Hand.....50&5@50&10&5%
Moulders.....50&5@50&10&5%

Belting, Rubber—

Boston Belting Co.:
"Boston".....50&10&5%
"Imperial," seamless, stitched 40&10%
Cleveland Rubber Co.:
Buckeye.....60&10%
Shield High Grade.....60&10%
War. 2 XL.....40%
Common Standard.75&10@75&10&5%
Extra.....60&10&5@70%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Standard.....70&10@75%

Bench Stops—

Cincinnati.....25&10%
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&10%
Seymour Smith & Sons..₩ doz. 25, 10@10&10%
Tarrell's No. 1 and 2, $8; No. 3, $9.00 ₩ doz.....30%
Millers Falls.....15&10%

Bit Holders—

Angular.....40&5%
Extension:
Barber's, ₩ doz. $15.00.....45%
Ives' ₩ doz. $30.00.60&10@60&10&5%

Blind Adjusters—

Domestic..₩ doz. $2..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&5%
North's.....10%
Zimmerman's.....50&10@50&10&10%

Blind Fastenings and Tenons—

Austin & Eddy ₩ gro. sets.....$5.50
Gorhans Improved Star Tenon ₩ gro. $1.00.....25%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Millers Falls ₩ set $1.00.....15&10%
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50&10@60&10&5%

Blocks—

Cleveland Block Co. Steel 60&10@70%
Com. Jap'd Sheaves...70&5@70&10%
Lanes:
Junior, Self Sustaining.....30%
Pat. Automatic.....35%
Perfect Safety.....30%

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Regular Iron Strapped Blocks 70&5@70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c.....70%
Cast Iron Chain.....50&10%
Cast Iron Shutter Bolts.....70%
Ives' Patent Door Bolts...60&10&5@60&10&10%
Wrought Barrel.....75@75&10%
Wrought Square..70&10@70&10&10%
Wr't Shutter, Standard list.....70%
Wr't Shutter, Sargent's list.....70%
Wr't Sunk Flush, Sargent's list. 50&10@50&10&10%
Wr't Sunk Flush, Stanley's list 50&10@5 &10&5%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&5%
Window Spring.....75%
Window Spring Bolt Socket.....70%

CARRIAGE, MACHINE, &C.—

Bolt Ends.....80@80&5%
Machine.....75&10@80%
Carriage, Common.....75&5@75&10%
Norway Iron, list Oct '94..80&10@80&15%
Phila., Eagle, list $3.00.....65%
R. B. & W., $3.40 list.....70%

TIRE—

American Screw Co.:
Bay State, Plain list Feb. 26, '96. 75&10%
Bay State, Fluted.....80%
Eagle Phila., list Feb. 26, '96....75%
Norway, Phila., list Feb. 26, '96.80%
Common, list Feb. 28, '88..75@75&10%
Eagle.....85%
R. B. & W., list Oct. 15, '84.....80%

STOVE AND PLOW—

Plow.....60&10&10@70%
R. B. & W., Plow.....65%
Stove.....75&10%

MISCELLANEOUS—

Sink.....75&10%
Sleigh Shoe.....65%

Bone Mills—

Enterprise.....30%

Borers, Tap—

Common and Ring.....20&10@35%
Enterprise, No. 1, $1.50; 2, $2.00; 3, $3.00 each
Ive's.....33⅓&5%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'	$2.50	$2.00
Jennings'	2.50	2.00
Millers Falls		7.50 15&10%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	7.50....
Snell's, Rice's Pat.	2.50	$2.75

Bow Pins—

1¼ inch, ₩ gro.....$4.50@$5.00
2 inch, ₩ gro.....$5.00@$5.50

Box s, Mail—

Heller's.....40&5%

Braces—

Barber's.....50&10@60&10%
Barber's Ratchet.....60@60&10%
Bartholomew's:
Nos. 25, 27 and 30.....7 @75%
Nos. 117, 118, 119.....70@75%
Common Ball American..$1.10@$1.20
Ives':
Barbers'.....60&5%
Barber Ratchet.....60@60&10%
New Haven Novelty....70@70&10%
New Haven Ratchet.60&10@60&10&10%
Spofford.....60&5@60&10%
C. E. Jennings & Co.:
No. 108@114½.....60&10%
No. 208½@214½.....60%
Peck's (P. S. & W. Co.)...60@60&10%
Gen. Spofford's.....50&10&5%

Brackets—

Door Screen.....70&10%
Moore's.....70&5%
Shelf, Bradley's Patent.....80%
Shelf, Plain, Regular list.....70&10%
Shelf, Fancy, Sargent's list.60&10@50&10&5%
Window Screen Corner.....70&10%
Reading, plain.....7 %
Reading, Rosette.....70%

Bright Wire Goods—

Standard list.....85@85&10%

Bull Rings—

Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%
Sargent's.....80@80&10%
Seymour Smith & Sons.....60%

Butcher's Cleavers—

Beatty's.....40&5@40&10%
Bradley's.....35@35%
Dunlap's Family.....35%
Foster Bros. Flat Hds.....30%
Foster Bros. Round Hds.....40%
L. & L. J. White.....25%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....35½&5@35½&10%

Bung Hole Borers—

Enterprise.....35%
C. E. Jennings & Co.:
No. 6.....40%
No. 10.....30%

Butter and Cheese Triers—

Ordinary Black Handle.....25%

Butt and Rabbet Gauges—

Stanley's.....25&10%

Butts—

BRASS—

Cast Brass, Fast Joint....40@40&10%
Cast Brass, Ice House.....40%
Cast Brass, Loose Joint...40@40&10%
Wrought Brass, List Sept. '96.40@40&10%

CAST IRON—

Loose Joint.....75@75&5%
Loose Joint, Japanned.....75@75&5%
Loose Joint, Jap. with Acorns, 75@75&5%
Loose Pin.....75@75&5%
Mayer's Hinges.....75@75&5%
Parliament Butts.....75@75&5%
Sargent's:
Fast Joint, Broad.....60&10%
Fast Joint, Narrow, ...60@60&10%

WROUGHT STEEL—

List, April 1, 1895.
Bronzed Inside Blind Butts.50&10@50&10&5%
Bronzed, Narrow.....
Fast Joint, Narrow.....
Fast Joint, Light Narrow.....
Fast Joint, Broad.....
Loose Joint.....
Loose Pin.....
Table Butts, Back Flaps, etc..
} 75%

Cap Openers—

American.....₩ gross $1.75@$1.90
Champion, ₩ doz. $2.00.....50%
Columbian.....₩ gro. $14.40
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
Dunlap's Sardine Scissors, ₩ doz. $5.00.....25%
Dunlap's Wood Handle No. 2 $1.75.25%
Goodell's Acme, ₩ gr. $8.00; ₩ doz. 75c
No. 5, Iron Handle. ₩ gr.....$2.00@2.25
Sardine Scissors...₩ doz. $2.00@2.25
Sprague, No. 1, $2.00; No. 2, $2.25; No. 3, $2.50.....70%
Universal, ₩ doz. $3.00.....55&5%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%

Cards—

Cotton.....37½@.25
Horse and Curry.....20@.25
Wool.....20@.25

Carpet Stretchers—

Bullard's.....33⅓%
Cast Iron Steel Points, ₩ doz. 75@.....
Cast Steel, Polished.....₩ doz. $2.25
Dunlap's.....25%
Excelsior.....25%
Socket.....₩ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....
Gold Medal.....
Hall.....
Prize.....
Premier.....
Superior.....
Cyco Bearings
₩ doz. $36.00
₩ doz. $27.00
₩ doz. $60.00
₩ doz. $27.00
₩ doz. $27.00
₩ doz. $27.00
Crown Jewel, japan finish, ₩ doz $19.00
Crown Jewel, silver bronze trimmings, ₩ doz.....$30.00
Crown Jewel, nickel, ₩ doz. $31.00
Furniture Protector, Japan.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Grand Rapids, Jap..₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Parlor Queen, Jap....₩ doz. $24.00
Parlor Queen, Nickel, ₩ doz. $27.00
Standard.....₩ doz. $24.00
Lots of 5 dozen $1.00 per doz. less.

TOY LINE—

Baby.....₩ doz. $2.50
Child's.....₩ doz. $3.00
Little Jewel.....₩ doz. $7.00
Little Queen.....₩ doz. $4.00

Casters—

Bed.....60&10&10@70%
Deep Socket.....60@ 0&10%
Giant Truck Casters.....35%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%
Martin's Patent (Phoenix). 60@60&5%
Plate.....60&10&10@70%
Socket Truck Casters..45&10@45&10&10%
Stationary Truck Casters.....50&10%
Store Truck.....55%
Swivel Truck.....60&10&10%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50&5%
Yale Gem.....70&10&5%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@70&10&10%
Peck, Stow & Wilcox Co.....66⅔&5
Sargent's.....70&10@70&10&10%

COW TIES—

American.....60&10%

Covert's Horse and Cattle:
Jute.....33⅓&5
Manilla.....33⅓&5
Sisal.....33⅓&5
Triumph.....33⅓&5

Chain—

American Coil, Ass'n base prices.

3-16	¼	5-16	⅜	7-16	½	⅝	¾
$6.85	5.35	4.25	3.65	3.50	3.35	3.15	3.05

Covert Saddlery Works:
Breast Chain.....60&20%
Hitching Chain.....6 &20%
Rein Chain.....60&20%
Covert Mfg. Co. Chains.....45%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Galvanized Pump Chain, with Buckets.....5@5½c
German Coil.....60&10@70%
German Halter Chain....60&10@7 %
Jack Chain, Iron.....70@70&5%
Jack Chain, Brass.....70@70&5%
Oneida Halter Chain.....60@60&10%
Plumbers.....60%
Trace, Wagon and Fancy Chains, 60&10@60&10&10%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

Buck Bros.....30%
Charles Buck.....30%
Douglass.....75@75&10%
Hinsdale.....
Mix.....
Ohio Tool Co.....
P. S. & W.....
Sag Harbor Tool Co.....
Swan.....
Winsted Edge Tool Co.....
} 75&10&5%
C. E. Jennings & Co. No 70....25&10%
Jennings & Griffin Mfg. Co.....75&5%
Merrill & Wilder.....60&10%

TANGED AND MISCELLANEOUS—

Ber.....60&10%
Buck Bros.....30%
Butchers'.....$4.75@$5.00 to 2
Cold Chisels, good quality, ₩ lb 14c@16c
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges.....40&10%
Spear & Jackson's.....25 to 2
Tanged Firmers'.....50@50&10%

Chucks—

Beach Pat....each $3.00.....30%
Cushman's:
Combination.....40%
Independent.....40%
Morse's Adjustable, each $7.00...25%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....40%
Skinner's Pat. Comb. Chuck.....40%
Union Mfg. Co.:
Combination.....40%
Independent.....40%
Universal.....40%
Victor, No 1, $3.50; No. 2, $12.50.25%

Clamps—

Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Adju table, Stearns'....30@30&10%
Cabinet Makers, Sargent's...45&10%
Carpenters', Cincinnati.....2 &10%
Carriage Makers', Sargent's.. 50&10@50&10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
R. I. Tool Co.'s Wrought Iron....25%
Smith's:
Eccentric.....25%
Splicing.....25%
Splicing Tools.....25%
Warner's.....40&10@40&10&5%

Cleaners, Sidewalk—

Challenge Shank.....₩ doz. $2.25
Star Shank.....₩ doz. $3.50
Star Socket.....₩ doz. $3.75

Clips—

Norway Axle.....70@70&10%
Norway Spring Bar Clips.70@70&10%
Superior Axle Clips.....70&10@75%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....25%
National.....80
The Swift, Lane Bros.....33⅓&5
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%

Compasses, Dividers, &c.—

Athol Calipers and Dividers.....4 %
Bemis & Call Co.'s:
Compasses.....50&5%
Dividers.....65%
Compasses, Calipers, Dividers. 70@70&10%
Wm. Johnson's:
Extension Dividers.....40%
Inside, Outside and Double.....70%
Registering.....50%
Wing Calipers.....70%
Wing Dividers.....75%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
Beatty's.....33⅓%
L. & L. J. White.....20@20&5%
Sandusky Tool Co.....25&10@20&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....40%
Humason & Beckley Mfg Co. 40& 10@50%
Samson.....₩ doz $10.00
Williamson's.....40%

Corn Hooks -

Kretzinger Cut-Easy, ₩ doz. $3.00 net

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—

Adjustable.....30%
Counter sink Bits.....40&10%
Shepardson's Diamond.....40@45%
Smith's.....25%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....30%
Dixon's

Eclipse	₩ gro.	$6.75
Emerald	₩ gro.	5.00
Oriole	₩ gro.	3.00
Rainbow	₩ gro.	2.81
Solid	₩ gro.	7.50

Curry Combs—

Fitch's, List Nov. 20, '96.....25&10%
Perfect.....25&10%
Rubber, ₩ doz. $7.50.....20@20&10%
Southington Cutlery Co.'s List, Nov. '96.....25&10%

Cycle Hangers—

Lane's.....33⅓&5%

Diggers—

See Post Hole, etc.

Dog Collars—

Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Keystone Mfg. Co.:
Low List.....30%
Leather Muzzles.....50&10%
Medford Fancy Goods Co. list..40& 10@50%
Union Hardware Co. New List. 50&50&10%

Door Checks—

Bardsley's.....30%
Eclipse.....60@60&10%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$25.00

Door Springs—

Champion (Coil)...50&10@50&10&10%
Foster's (Coil).....30%
Gem (Coil), list Oct. '95.....25%
Rubber, complete, ₩ doz. $5.50. 66⅔@70%
Star (Coil), list Oct. '95.....25⅓&10%
Torrey's Rod, 39 in, ₩ doz $1.50@1.85
Victor, Coil.....60&10@60&10&5%
Warner's.....55@55&10%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Adjustable Handle.....40@40&10%
Bradley's.....35%
Douglass.....75@75&10%
Jennings & Griffin.....75&5%
Merrill & Wilder.....60&10%
Mix.....
New Haven.....
P. S. & W.....
Witherby.....
} 75&10&5%
Watrous.....30@30&10%
L. & L. J. White.....25&5@25%
Wilkinson's Folding.....25@25&5%

Drills and Drill Stocks—

Automatic Boring Tools..$1.75@1.85
Blacksmiths'.....each $1.75
Breast, Bartholomew's No. 12, ₩ doz.....$16.00
Breast, Millers Falls, each $3.00 15&10%
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Graves Drill Stocks.....40%
Ratchet, Billings' Dble. Acting.33⅓&5%
Ratchet, Ingersoll's.....25%
Ratchet, Merrill's.....30@30&5%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Parker's.....40%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Stearns' Bench.....50@50&10%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%

TWIST DRILLS—
See Augers and Bits.

Egg Beaters—

Dover (Standard Co.) No. 10 ₩ gro. $9.50
Dover Extra Heavy (Standard Co.) No 15..... ₩ gro. $21.00
Paine, Diehl & Co.'s Keystone..33⅓%
Spiral.....₩ gro. $4.25@$4.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$3.00 each, less 50%
Annunciators, $1.50 ₩ drop less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon..6'c. ea., less 50%
Batteries, Medical, $3.50 ea., less 50%
Batteries, Dry .....50c. ea., less 50%
Bells, Electric, 2¼, 50c. ea., less 50%
Call Bell Outfit, Electric...$3.00 each, less 50%
Desk Pushes Electric..30c. each. less 50%
Door Springs, Electric...24c. ea., less 50%
Early Risers' Set, Electric..$3.50 each, less 50%
Floor Pushes, Electric...6 c. ea., less 50%
Gas Burners, Electric....5 c. ea., le s 5 %
Gravity Batteries, $1.00 ea., less 50%
Hydrometers....75c. each, less 50%
Incandescent Lamps..4 c. each, less 50%
Induction Coils, Telephone..6 c. each less 50%
Lead Covered Wire No. 18, No. 16, No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Push Buttons, Wood..10c. each, less 50%
Sal Ammoniac...18c. ₩ lb, less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt....24c. each, less 50%
Switches, 3 pt....28c. each, less 50%
Spark Coils, 8 pt...$2.00 ea., less 50%
Spark Coils, 10 pt $4.40 ea., less 50%
Spark Coils, 12 pt.....$2.80 each, less 50%
Tape, Insulating, 8'c. ₩ lb. less 50%
Tube, Speaking, $31.00 ₩ 1,000 ft. less 50%
Whistles, Speaking Tube, N. P., 2.00 ₩ doz., less 50%
Whistles, Speaking Tube, Percelain.....75c ₩ doz., less 50%
Wire Winders, $10.00 each, less 50%
Window Springs, Electric...24c. each, less 50%
Yale Lock Switch, Electric, $3.50 each, less 50%
Zincs, Leclanche...04c. ea., less 50%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, CF FF.
Kegs, ₩ lb..4½c	5c	8c	
½ kegs, ₩ lb.4½c	5½c	8½c	
¼ kegs, ₩ lb. 5c	5½c	8½c	
10 lb cans, 10 in case.... 6c	6½c	5½c	
10 lb cans, less than 10.. 10c	10c	8c	

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Brass Thread.....60@60&10%
Wood.....25%

Escutcheon Pins—

Brass.....70@70&10%
Iron, list January, 1890.....60@60&5%

Farriers Knives—

"Challenge".....₩ doz. $3.00
Pope.....₩ doz. $3.00
Wilkinson's.....₩ doz. $3.00

Faucets—

Brass Globe Cocks.....60&10%
Brass Racking.....60&10%
Burnside's Red Cedar.....80%
Burnside's Red Cedar, bbl. lots 80&10%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....0%
Frary's Pat. Petroleum..60&10@70%
John Sommer's Boss Tin Key....50%
John Sommer's Chicago Cork lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Cedar (in bbls.) 50&10%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....10%
John Sommer's No Brand Metal Key.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.10%
John Sommer's Peerless Tin Key.40%
John Sommer's Reliable Cork Lined.....60%
John Sommer's W. P. Metal Key.40%
Star.....60@60&5%
Self-Measuring:
Enterprise ₩ dos. $36.00.....40%
Lane's ₩ doz. $36.00.....40%
National Specialty Mfg. Co....40%

Fibreware—

Standard Fibre-ware Co.

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Buggy Pails, 7 in. high.	2.60		
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt.....	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.....	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)...	1.40	1.70	2.00
Cuspidors, 9x7½ inches, (anti-tip-over).....	5.50	6.50	7.00
Dairy Pails, 14 qt.....	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire.....	3.40		
Fruit Bowls.....	1.20	1.70	2.00
Keelers, 11½ inch.....	2.30	2 80	3.10
Milk Pans.....	1.50	2.00	2.20
Mats, 8½ inch (for table use).....	.50	1 00	1.20
Mats, 15 inch (for cuspidores, etc.....	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.30
Prison Pails, 16 qt. (with cover).....	6.50		
Pitchers, 10½ in. high..	4.00	4.70	5.20
Peck Measures.....	2.80		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt....	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Spittoons, Daisy, 8½ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4.00	4.80	5.30
Water Pails, 12 qt....	$3.00	$3.50	$4.00
Waste Paper Jars.....	3.00	4 00	4.50
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2. 0
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in.. (or Wash Bowls,.....	2.30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4 00

Files—

DOMESTIC—
American.....75%
Arcade.....75%
Great Western.....75%
Kearney & Foot.....70&10@75%
Nicholson.....70%
Nicholson's X. F. Files.....33⅓%
Second Quality Files.....30@30&10%
Troy File Works:
Files.....70&10%
Rasps.....70%

IMPORTED—
Stubs.....Stubs' list, 25@30%

Filters—

Seed's Water Filters:
A 1, $4.00 No. 2, $2.50 No. 3, $1.50 No. 4, $1.00 ₩ dos.

Fish Hooks—

Amer. Fish Hook Co. list.30@30&10%
Kirby & Limerick, low list (50c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....30&20%

Fluting Scissors—

List.....45%

Forks—

Champion, Hay, Manure, etc 75&15%
Columbia, Hay.....75&10%
Columbia, Manure.....30%
Columbia, Spading.....30&5%
Hay.....75%
Iowa Farming Tool Co.:
Barley.....70&40%
Manure, 4 tine.....75&10 v 2½%
Manure, 5 and 6 tine ..... 7 &20&5%
Spading.....75&10&5%
Victor, Hay.....75&1 %
Victor, Manure and Header.....30%

Freezers, Ice Cream—

Blizzard.....net
Gem.....net
Granite State.....net
Improved Arctic.....net
Keystone, P. D. & Co.....20%
Ohio.....60&10%
Packer's:
Confectioner's Machine.....net
Double Action Standard.....net
Good Luck.....net
Standard.....net
Shepard's Lightning.....net
White Mountain.....net

Fry Pans—

Acme Fry Pans.....7 &10%
Polished, regular goods...75@75&10%
Standard List.....75&10@30%

No.....	0	1	2	3	4
₩ dos..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ dos..	$3.00	$7.00	$3.00	$9.00	

Gas Lighting Burners—

Gem.....₩ d z. $2.50
In lots of 3 dos.....₩ doz. $2.25

Gauges—

Bemis & Call's Steel.....50%
Boss, Screw Pitch..... .....33⅓%
Clapboard ..... 20.....
Marking, Mortise, &c..50&10@60& 10&10%
Stanley's.....60&10%
Stanley's Chisel.....25%
Starrett's Surface, Center and Scratch .....25&10%
Copeland Champion Bit ₩ dos $3.00 net
Stubs' Wire and Drill.....20%
Wire, Morse's.....25%
Wire, P. S. & W., low list.....10&10%
Wire, Wheeler, Madden & Co....10%

Gimlets—

"Bee" ₩ gr $12.....25@25&10%
Bell Hangers.....50%
"Diamond" Gimlets ₩ gr. $4.00@4 25
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%
"Eureka" Gimlets.60&10@60&10&5%
Metal head.....55%
Nail Gimlets:
Assorted 1, 2 and 3.....₩ gr. $1.50
Assorted 2 and 3.....₩ gr. $1.70
Pod.....5%
Star.....60%
Spike Gimlets:
Assorted 1, 2 and 3.....₩ gr. $3.00
Assorted 2 and 3.....₩ gr. $2.25
Wood head.....50&10%

Glue—

Dodd's Liquid Glue.....25&25&10%
Le Pages Liquid.....25&25&10%

Glue Pots—

Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....60%
Enameled.....4 @50%
Tinned.....4 @50%

Graters—

Enterprise.....25%

Grindstones—

Family, 6 in.....₩ dos. $4.90
Family, 7 in. and 8 in....₩ doz. $6.00
Family, 9 in. and 10 in..₩ doz. $6 75
Loose Grindstones, 30 to 200 lbs., $7.00 ₩ ton f.o.b. quarry.
Millers Falls.....25%
Mounted Grindstones:
No. 1, each.....$1.65
No. 2, each.....$1.50
No 3, each.....$1.25
New York Pattern.....25%
Ohio Pattern.....10%

Grindstone Fixtures—

Howard Iron Co.....20%
Moore's.....55&10%
P., S. & W. Co.....50&10&10%
Russell & Erwin.....70&10%
Sargent's Patent..70&10@70&10&10%

Gunpowder—
See Ammunition.

Hafts—

Britton's.....₩ dos. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
'96 List.....60&20%
Upson & Woodine 40%
Wright's Animal Tether.....30%

Hammers—

HANDLED HAMMERS—
Atha Tool Co.....50&10@60%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....50&10%
C. Hammond & Son, List..40&10@50%
Humason & Beckley.....50@50&10%
Dunlap's Patent.....25%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40&10%
Maydole's.....33⅓&5@40&5&5%
Peck, Stow & Wilcox.....40@40&5%
Fayette R. Plumb:
Artisan's Choice, A. E. Nail.. 40&12½%
Engineers & B. S. Hand....40&15%
A. & P., A. E. Nail.....40&12½%
Other Brands.....10&10@5%
Sargent's New List.....45@50%
Verree.....50&10@60%
Warner & Nobles New List..35&10%

HEAVY HAMMERS AND SLEDGES—
Under 3 lb...₩ lb 40c
3 to 5 lb.....₩ lb 35c } 75@75&10%
Over 5 lb.....₩ lb 30c
Wilkinson's Smiths....8½c@10c₩ lb

Hammock Ropes—

Covert Mfg. Co.....45%
Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—
Chest Handles, Sargent's..50&10@ 50&10&10%
Door or Thumb:

Nos.....	0	1	2	3	4
Per dos.....	$ .90	1.00	1.05	1.35	1.50

50&10@70%
Drawer Handles.....60%
Ring Handles.....70%
Roggin's Latches.....50&10@60%
Shelf Box Handles.....65%
Trunk Handles.....60%
Tub Handles.....60&10%

STORE DOOR HANDLES.—
Bronzed, with Cylinder Lock....50%
Bronzed.....60&10@65%
Japanned, with Nuts.....$1.05
Japanned, with Plate.....$1.10
Japanned, without Plate.....&c

DOOR PULL—
Bar.....60@60&10%
Barn Door.....50&10%
Chest and Lifting.....60@60&10%
Drawer Pulls.....50&10@60%
Plain B. M.....60@60&10%
Push Plates, Sargent's List..60@ 0 @10%
Sash Pull Plates.....70&10%
Sash Pulls.....50&10&10%
Window Pulls.....66⅔%

WOOD—
Auger, assorted.....₩ gr. $2.25@2.50
Auger, large.....₩ gr. $3.00@3.25
Auger, Douglass', Pat. ₩ set, No. 1, $1.00; No. 2, $1.40
Auger Ives', Pat. No. 1, 60&10%
No. 2 to 3½.....40%
Auger, Swan's, Pat. ₩ set, No. 3, $1.00; No. 4, $1.25.....25&10%
Brad Awl.....₩ gr. $1.75@3.00
Chisel Worcester Leather Cap'd 1.50
File, assorted.....₩ gr. $1.25@1.40
Firmer Chisel, Apple ass'd ₩ gr. $2.25@2.50
Firmer Chisel, Apple large ₩ gr. $2.75@3.00
Firmer Chisel, Hickory ass'd ₩ gr. $2.00@2.25
Firmer Chisel, Hickory, large, ₩ gr. $2.50@2.75
Firmer Chisel, Socket ass'd ₩ gr. $2 00@2.25
Hammer, Hatchet, Axe, Sledge, etc .....50&5%
Hoe, Rake and Fork 60&10@60&10&5%
Saw and Plane.....40&10@50%
Shovel and Spade, Wood D Hdle. 60@60&10%

CROSS-CUT SAW HANDLES—
Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₩ dos. pr. $5....60%

Hangers—

Barn Door, old pattern....60&10@ 60&10&10%
Barn Door, New England.70@70&10%
Barry, $6.00.....50&10%
Best Anti-Friction.60&10@60&10&5%
Challenge, Barn Door.....50%
Climax Anti-Friction.....55%
Cronk's Roller Bearing, No. 4, $18.00; No. 5, $26.00.....60&10&10%
Cronk's Steel cov'd Loose Axle. 60&10&10%
Davis Parlor Door.....50@50&5%
Duplex (Wood Track).....60&10&5%
Kidder's.....50@50&10%
Lanes Barn Door:
Covered.....60&10%
No. 50.....6 &5%
New Model.....4 &10%
Parlor, Standard.....4 &10%
Standard .....60&10%
McKinney's "None Better," No. 2, $18.00; No. 1 Special, $14.00, ₩ dozen pairs.....60&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%
Reed's Steel Arm.....50%
Rider & Wooster, No. 1, 6½c.; No. 2, 75c.....40%
Richards' Single Track, Steel.50&10%
Star.....60&10&10%
Stearns' Challenge.....50@50&5%
Sterling's Impr'd.60&10@60&10&10%
Terry Ideal.....60&10%
Terry's Modern.....6%
Terry's Modern, Covered.....6%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
The Boss.....60&10@60&10&5%
Universal Anti-Friction.....40%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4, $35.00 0 &10&5%
Warner's Pat.....20&10&5%

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Wild West, 4 in. Wheel.....50%
Zenith for Wood Track.....55%

Harness Snaps—

See Snaps.

Hasps and Staples—

McKinney's "Perfect," $1.10 ₱ doz.....40&10%
Wrought.....85&10@85&10&5%

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Lightning, from jobbers.$6.00@$6.35
Wadsworth's.....40&5@40&7½%

Hedge Shears—

Wm. Wilkinson & Sons.....50%

Hinges—

WROUGHT IRON HINGES—

Corrugated Strap and T..7f@75&5%
Rolled Blind Hinges Nos. 33 and 34 50&10@50&10&5%
Rolled Plate..... } 70&10@70&10&5%
Rolled Raised.... }
Plate Hinges "Providence" 6 to 12 in. ₱ lb., 5c. 14 to 36 in. ₱ lb., 4c.
Screw Hook and Strap. { 6 to 12 in., ₱ lb..2½c / 14 to 20 in., ₱ lb..2½c / 22 to 36 in., ₱ lb..3 c
Strap and T..... .....7f@75&5%

SPRING HINGES—

Acme.....80@10%
American.....20%
Bommer's.....40%
Bardsley's Patent Checking.....15%
Chicago.....30%
Crown.....30%
Champion.....60%
Devore's No. 1.....₱ gr. $13.00
Deer's Spring and Blank Butts...40%
Gem.....80&10%
Kell's American.....30%
Matchless No. 10.....70%
New Idea, No. 1, ₱ gro.....$7.50
New Idea, No. 2, ₱ gro.....$18.00
Oxford.....30&10%
Rex.....₱ gr. $13.00
Royal Japanned.....66⅔%
Rubber.....66⅔%
Sargent's List 1894:
Bronze Metal.....75&10%
Japanned Surface, Single..70&10%
Japanned Surface, Double.60&10%
Mortise.....55%
Model.....70@70&10&10%
Tuscan Surface, Single.....7-%
Tuscan Surface, Double.....70%
Vigilant.....50&10@50&10&10%
Union Spring Hinge Co.'s list, March, 1894.....20%
Union Mfg. Co.....25%
Wiles' No. 1, ₱ gr., $16.00; No. 2, $13.00

GATE HINGES—

Automatic.....₱ doz $12.50, 50%
Common Sense..₱ doz pair $4.50, 50%
Clark's Nos. 1, 2, 3.....70&10&5%
Long's Self Closing.....50%
N. E...₱ doz $7.50.....60@60&10%
N. E. Reversible.....₱ doz $5.00 60@60&10%
N. Y. State..₱ doz $4.20..60@60&10%
Reed's Latch and Hinges...₱ doz $12.00, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3.60&10@60&10 &5%
Western, ₱ doz $4.20.....60@60&10%

BLIND HINGES—

Clark's:
Lull & Porter, Nos. 0, 1, 1¼, 2, 2½, 3.....60&10%
Mortise Gravity.....50%
Nos. 1, 3, 5.....60&10%
Nos. 40 and 50.....80%
Huffer.....65%
Parker.....75@75&10%
Sargent's Nos. 1, 3, 5, 11, 12.....75@75&10%
Shepard's:
Buffalo.....80&10&5%
Clark's "Victor".....80@80&10%
Niagara.....80&10%
Noiseless.....80%
O. S. Lull & Porter.....80&10&5%
Stanley's Steel Gravity Blind Hinges, ₱ doz. sets $1.80.....40&10%

Hitching Cords—

Covert Mfg. Co.....45%

Hoes—

HANDLED—

Crescent Cultivator, 6 in. ₱ doz. $3.75 net
Crescent Cultivator, 7 in. ₱ doz. $4.00 net
Crescent Double-Bit ₱ doz. $4.00 net
Crucible Cut-Easy..₱ doz. $4 50 net
Cotton.....80&12½%
Dunlap's Boys', Ladies', Toy.....35%
Garden, Mortar, &c.....75&25%
Iowa Crucible Socket.....75&25%
Magic.....₱ doz $4.00
Mattock Hoe... ....₱ doz. $4.00 net
Planter's.....80&20%
Texas Cut-Easy.....₱ doz. $4.25 net
Warren Hoe.....60&10%

EYE—

American Axe & Tool Co.....70%
Grub.....60&10@70&5%
Lane's:
Crescent Planters Pat.....45&5%
Razor Blade, Scovil Pat.....80&5%
Sandusky Tool Co., S. & O. Pat. 60@60&10%
D. & H. Scovil.....30@30%

Hog Rings and Ringers—

Hill's:
Rings..... ₱ gr. boxes..$3.60@$4.00
Ringers.....₱ doz. 55@65c
Perfect Rings.....₱ gro. 90c
Perfect Ringers.....₱ doz. $1.00

Hollow Ware—

IRON—

Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware.60&10&10%
Rustless Hollow-Ware.....50@50&5%
Stove Hollow-ware:
Ground.....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Boilers and Saucepans....62½@65%
Maslin Kettles,....75&5@75&10&5%
Tinned Boilers and Saucepans.... 60&5@60&10%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Hartford Silver-Plate Co.....40&5%
Holmes & Edwards Silver Co. 40&15&5%
Meriden Britannia Co.....40&5%
Reed & Barton.....40&5%
Rogers & Brother.....40&5%
Simpson, Hall, Miller & Co.....40&5%
William Rogers Mfg. Co.....40&10%

Hooks—

BUSH—

Jennings & Griffin's.....40&10%
Light ₱ doz. $5.00; Medium ₱ doz. $5.50; Heavy $6.00

CAST IRON—

Bird Cage, Sargent's list...60&10&10%
Bird Cage, Reading.....60@60&10%
Bird Cage, Williamson.....50%
Ceiling, Sargent's list.....50&10%
Chandelier.....70%
Clothes Line, Sargent's list...5f &10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading.....60&10%
Coat and Hat, Moore's.....70%
Harness, Sargent's list....50@50&10%
Lamp.....55%
Picture.....75%
Screw Hat.....70%
Wardrobe.....55%

WROUGHT IRON—

Cotton.....₱ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Hammock Hooks, E. C. Stearns, ₱ doz.....60c
Picture, T. & S. Mfg. Co.....75%
Tassel, T. & S. Mfg. Co.....50&10%
Wrought Staples, Hooks, &c. See Wrought Goods.

MEAT—

Enterprise.....33⅓%
Wm. Johnson's:
8 in.....₱ doz. $2.20 net
10 in.....₱ doz. $2.70 net

WIRE—

Atlas Coat and Hat.....50@50&10%
Belt.....80@80&10%
Handy Coat and Hat.....70%
Steady Ceiling.....70%
Wire Coat and Hat, Acme...60&10%
Wire Coat and Hat, Gem.....70%
Wire Coat and Hat, Standard....45%

MISCELLANEOUS—

Carpenter's Amc. Grass Hooks, ₱ doz. $4.00
Covert's Saddlery Works:
Self-Locking Gate and Door Hooks.....60&20%
Dunlap's Merchandise.....25%
Grass, No. 2, $1.65; 3, $1.80; 4, $2.00
Hooks and Eyes—Brass.....70&10%
Hooks and Eyes—Mal. Iron.....75%
Wm. Johnson's Cotton, Box and Hay.....60%
Moores':
Clothes Line.....70%
Harness.....70%
Hotel & School House.....70%
Whiffletree.....₱ lb 4½c

Horse Nails—

Nos.	6	7	8	9	10	
A. U.	35c	28c	22c	21c	21c.	40&10%
American, all sizes, 9½@10c						net
Ausable	33c	28c	25c	24c	23c.	40&10&5%
Anchor	33c	31c	30c	29c	18c	40%
C. B. K.	35c	28c	23c	21c.	21c	40%
Capewell	19c	18c	17c	16c	16c.	10&5%
Champlain	33c	33c	25c	24c	23c	40&5&5%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10&5%
Empire Bronsed						10c
Essex	33c	33c	25c	24c	23c.	40&10@50%
Lyra	9½c	9½c	9½c	9½c	9½c.,	net
Maud S	33c	33c	23c	21c.	21c	50&10&5%
Northw't'n.	25c	23c	23c	21c	20c.	25@25&5%
Putnam	23c	21c	20c	19c	18c	15%
Snowden,	9½c	9½c	9½c	9½c	9½c.,	net
Vulcan	33c	21c	20c	19c	15c	25%
Western, 5 to 10d						9c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co.....45%

Hose, Rubber—

Boston Belting Co.:
"Boston".....50&10&5%
"Imperial".....50&5%
Competition.....75@75&10%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Standard.....70&10@70&10.5%

Ice Awls, Chippers, &c.—

Copeland Ice Pick....₱ gr $9.00 net
Crown.....net
Dunlap's:
No. 1.....$3.50 per doz 20%
No. 20.....$12.00 per doz 20%
Gem Ice Shave.....net
Sargent's Ice Awls.....55%
Star.....net

Ice Shredders—

Enterprise, No. 33, ₱ doz. $7.20..25%
No. 34.....₱ doz. $15.00.25%

Jack Screws—

See Screws.

Kettles—

Spun Brass, Plain.....15@20%
Spun Brass, plated inside with White Metal.....10@15%

Knives—

Ames':
Bread Knives. ₱ doz. $1.50...20@25%
Butcher Knives.....25@25&10%
Shoe Knives.....25@30%
Dunlap Kitchen and Bar'd Knives 25%
Foster Bros.' Butcher, &c.....40%
Goodell's:
Bread Knives Ass'n list.....net
Butcher.....25%
Shoe Knives.....40%
Hay and Straw, see Hay Knives.
Nichols' Butcher Knives.....50%
Table and Pocket, see Cutlery.
Wilson's Butcher Knives..25@25&5%

Knobs—

Bardsley's Wood Door, Shutter and Base.....15%
Base, Rubber Tip, 2½ in. Bead, ₱ gr.....$1.25@$1.50
Carriage, Jap.....₱ gro. 80c, 60&10%
Door Knobs, Hemacite.....50&10%
Door Mineral.....₱ doz. 55@90c
Door Por. Jap'd.....₱ doz. 65@70c
Door Por. Nickel...₱ doz..$1.70@1.80
Drawer, Porcelain.60&10@60&10&10%
Picture, Hemacite.....50&10%
Picture, Judd's.....50&10&10%
Picture, Sargent's.....70&10%
Shutter, Porcelain.....70%
Yale & Towne Wood, list Dec. '95. 40%

Ladles, Melting—

Monroe's Pat.....₱ doz $4.00, 40%
P. S. & W.....35&10@40%
Reading.....50&10%
Sargent's.....60@60&10%
Warner's.....80%

Latches—

Cronk's Sliding Door.....60%
Lane's Barn Door.....40%

Lawn Mowers—

Champion.....75&10%
Continental.....60&10%
Drexel Cheap Mowers.....net
Enterprise.....40%
Genuine Philadelphia Mowers:
C. K. L.....70&10%
Styles A., and E.....60&10%
Styles, D., D. O. W., M., S., T., Great American.....70&10%
Imperial.....60&10&10%
New Departure, High Wheel. 70&10&10%
New Departure, Low Wheel, 75&10%
New Easy.....60&10@60&10&10%
New York.....60&5%
Pennsylvania.....60&10%
Rapid Transit.....70&10&10%
Standard.....60&5%
Sunbeam.....60&10%

Lawn Sprinklers—

Enterprise.....25%
Gibbs' Arc.....₱ doz. $10.00
Gibbs' Hustler.....₱ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3. ₱ doz. $12.00 $15.00 $24.00..35%

Lemon Squeezers—

Berger Bros. ₱ doz. 8-in. $1.00: 10-in. $1.40.....20%
Dean's, Nos. 1, ₱ doz. $6.50; 2, $3.25 3, $1.65; Queen $2.50 net
Dunlap's Improved ₱ doz. $3.75 20%
Hotchkiss, Straight Flush ₱ doz. $9.00
Jennings' Star...₱ doz. $1.90@$2.10
Little Giant.....50@50&5%
Porc. Lined, Iron.....$3.25@$3.50
Porc. Lined, Wood....₱ doz. $6.00 $3&10@40%
Wood, Common ₱ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.

Letter Box Plates—

Name Door Plate.....50@50&10%
Name Plate.....70%
Number Door Plate.....60@60&10%
Sargent's.....60&10@70%

Levels—

C. E. Jennings & Co.'s:
Hexagon.....25&10%
Iron Bench, new design....25&10%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's.50%
Cotton Chalk, 20 feet.....60&10%
Cotton Trot.....33⅓%
Masons':
Colored Cotton.....40&10%
Flax.....40&10%
No. 0 to 5.....25%
Samson, Cotton, No. 4, 2c; No. 4½, $2.50.....10%
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₱ gro.....25%
Ventilator Cord, Samson Braided, White or Drab Cot. ₱ doz.$7.50. 20%
Wire Clothes, 100 feet, No. 18, $2.25; No. 19, $2.00; No. 20, $1.75

Locks—

DOOR LOCKS, LATCHES, &c.—

Barnes Mfg Co.....40@40&10%
Branford Lock Co.....net prices
Brooklyn Latches.....60&10%
Champion Night Latches.....40%
Dietz Flat Key.....30%
Mallory, Wheeler & Co...60&10@70%
Norwalk Lock Co.....60&10%
Plate.....33⅓%
R. & E. Mfg. Co.....60&10@70%
Reading Hdw. Co.....60@60&10%
Romer's Night Latches.....20&5%
Sargent & Co.....60&10@60&10&10%
Slaymaker, Barry Co.'s:
Corrugated Key Latch.....35&5%
All other Night Latches.....40%
Yale.....net prices

CABINET—

Barnes Mfg. Co.....40@40&10%
Dietz:
Nos. 23 to 39.....40%
Nos. 41 to 78.....45%
Nos. 87 to 96.....30%
Eagle Lock Co.....45&5%
Charles Parker Co.....45&5%
Romer's.....35%
Stoddard Lock Co.....30@33⅓%
Yale.....45&5%

PADLOCKS—

Acme Bicycle and Satchel per doz. $9.00.....40%
Ames Sword Co.....40%
Barnes Mfg. Co.....50@50&10%
Champion.....40%
A. E. Dietz.....40%
Eagle.....40%
Eureka, Eagle Lock Co.....40&5%
Gem, Corbin's.....40&5%
Romer's Nos. 0 to 21.....40&5%
Scandinavian.....90&40@90&40&10%
Smith & Egge Bicycle.....30%
Wrought Iron.....75@30%
Yale Lock Co.....net prices

TRUNK—

Corbin's.....35%
Eagle.....35%

Mallets—

Sargent's List
Hickory.....5(@35&10%
Lignumvitæ.....50@35&10%
Raw-Hide.....40&10%

Mattocks—

Regular list.....70@70&10%

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Meat Cutters—
American.....80%
Nos....1 2 3 4 5 6
Each..$5 $7 $10 $25 $50 $60
Beef Shavers (Enterprise).....20%
Chadborn's Smoked Beef Cutter, ₩ doz $80.00
Dixon's..... ₩ doz 33⅓%
Nos..... 1 2 3 4
$14 $17 $19 $30
Enterprise.....25%
Nos.....10 12 22 32 42
Each...$3 $3.50 $4 $6 $15
Hales Pattern ₩ doz.....70@70&5%
Nos.....11 12 13
$27 $33 $45
Home No. 1..₩ doz $36.....60%
Little Giant.....50&10%
Nos. 205 210 215 220 225
$35 $43 $44 $73 $68
Miles' Challenge ₩ doz...45@45&10%
Nos..... 1 2 3
$22 $30 $40
Perfection.....net
Woodruff's ₩ doz.....33⅓%
Nos.....100 150
$15 $18

Metals, Friction—
Magno'ia, ₩ ₤.....25c
Less 20 to the trade, f. o. b. New York.

Molasses Gates—
Enterprise.....20%

Nails—
WIRE AND CUT NAILS—
See Trade Report for quotations.
Wire Nails and Brads, Papered, Ass'n list, May 1, 1892.....57½%
Grand Crossing Tack Co. List:
Wire Brads.....80%
Wire Nails.....80%
PICTURE—
Brass Head. Combination list, 50& 10%
Brass Head, Sargent's list, 70&10@ 70&10&5%
Niles' Patent..... .....40%
Porcelain Head, Comb'n list..40&10%
Porcelain Head, Sargent's list, 50& 10%
FURNITURE—
Antique Bronze.....10%
China.....25%
Fire Gilt.....10%
Plain.....40%

Nail Pullers—
Black Hawk, per doz.....$9.00
Giant, No. 1, ₩ doz $18.00; No. 1½, $16.50; No. 2, $15.00.....30&5%
Lightning.....₩ doz $18.00, 20%
National.....40%
Pelican.....₩ doz $9.00, 15&10%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—
Buck Bros.....37½%
Cannon's Diam'd Point ₩ gr. $12, 25%
Dunlap's.....20%
Humason's.....50&10%
Hunters' Cup Point Knurled.... ₩ gro. $10.00
Hunters' Cup Point, Plain.... ₩ gro. $9.00
Round, assorted.....₩ gr. $3.00@3.25
Square.....₩ gr. $4.00@$4.25

Nippers—
Acme.....50%
Smith's Cutting.....50%
Todd's Cutting.....50%

Nut Crackers—
Acme, Japanned, ₩ gross $30.00..40%
Turner & Seymour Mfg. Co.....60%

Nuts—
Cold Punched, Square, off list. $5 40
Hex, off list.....$5 70
Hot Pressed, Square, off list..$5.90
Hex, off list.....$6.70
Tapped.....60%

Oilers—
Brass and Copper.....50&10%
Cushman & Denison's:
Pocket Oilers.....₩ doz. $1.65
Star Pocket Oilers..... .75
Draper's:
Brass.....70&10%
Steel.....70&10%
Malleable. Hammers, New Style, 10@10&5%
Malleable, Hammers, Old Pattern, same list.....50&10%
"Paragon," Brass.....60&10@60%
"Paragon," Zinc.....70@70&10%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....75%
Zinc and Tin.....70&10@75%

Oil Stones, etc.—
OIL STONES—
Pikes Washita:
Lily White, ₩ ₤.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ₤..... .50
No. 1..... .40
No. 2..... .30
Pike's Washita Round Edge Slips: 3 to 5x1¼ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ ₤:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ₤..... .70
Discount 33⅓%.
Pike's Washita Mounted No. 1:
8x2, ₩ doz.....$12.00
7x2, " 11 00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ ₤..... .24
" 2x2x½, extra selected.. .40
Discount 33⅓%.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanizing, per ₤ 70c.....40%
Boston "Phoenix" Red Sheet, per ₤..... 50c. net
Extra.....60&5@60&10&5%
Standard, Fair Quality.. 70&10@75%
MISCELLANEOUS—
American Packing.....9c@10c ₩ ₤
Cotton Packing.....14c@15c ₩ ₤
Italian Packing.....12c@14c ₩ ₤
Jute.....6c@7c ₩ ₤
Russian Packing.....13c@14c ₩ ₤

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Gold Medal.....₩ doz 4.00
Ideal.....₩ doz 4.00
Improved Bay State. ₩ ds..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13 50
New Lightning.....₩ doz 5.00
Oriole.....₩ doz 4.00
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Rocking Table.....₩ doz 5.50
Scott's Pat. Rotary, ₩ doz $15.00, 20%
Turntable.....₩ doz 4.50
Victor.....₩ doz 13.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
POTATO—
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50
White Mountain.....₩ doz $4.50

Pencils—
Dixon's:
Carpenters'.....₩ gr. $4.00&7.50
Carpenter, Yellow or Brown Lead.....₩ gro. 9.00
Lead.....₩ gro $4.50
Lumber.....₩ gro. 6.87
Mascot, Hexagon .....₩ gro. 4.88
Mascot, Round.....₩ gro. 3.10

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—
WOOD PLANES—
Bailey's (Stanley R. & L. Co.) 50&10@50&10&10%
Bench, First Quality.....55%
Bench, Second Quality....60@60&10%
Fales Bench.....75%
C. E. Jennings & Co.....50&10%
Molding.....50%
IRON PLANES—
Chaplin's Iron Planes.....50&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting.... 35%
C. E. Jennings & Co.'s Iron ....5' &10%
Meriden Mal. Iron Co.'s..40@40&10%
Sargent's.....60@60&10%
Siegley's:
Bench.....40%
Combination, each.....$4 50 net
Standard Tool Co.....50@50&5%
Stanley Rule & Level Co.:
Bailey's..50&10&10@50&10&10&5%
Miscellaneous .....25& 10%
Steer's Iron Planes..50&10@50&10&5
PLANE IRONS—
Auburn "Thistle"..... Ohio..... Sandusky.... } 30&10@40%
Buck Bros.....30%
Butcher's.....$5.00@$5.25 to 2
Hinsdale.....25&10%
C. E. Jennings & Co.....25&10%
Stanley Rule & Level Co.....50&10%
L. & I. J. White.....30&5@25%

Pliers and Nippers—
Button's.....70&10@70&10&5%
Carew's Pat. Wire Cutters.....25%
Cronk's:
Button Pattern.....70%
Gas Pliers, No. 100.....40%
Stubb's Pat. Pliers.....50%
Hall's Nippers, ₩ doz., No. 3, 5 in. $13 50; No. 4, 7 in. $21.00....40&10%
Hall's Pliers.....70%
Humason & Beckley Mfg. Co.50@50 &10%
Wm. Johnson's Gas Pliers.....66⅔%
Morrill's Parallel, ₩ doz $12.00 30&5%
Smith's Side Cutting.....25%
Stubs'.....30%
Swiss Pliers.....35%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%

Plumbs and Levels—
Cook's.....40&10&10%
Davis':
Inclinometers.....20%
Iron Levels.....35&10%
Disston's.....50%
Wm. Johnson's.....75%
Plumb Bobs.....40%
Pocket Levels.....70&10&10@75&10%
Stanley's.....75&10&10%
Stanley's Duplex.....35&10%
Wood's Extension Sight.....33⅓%

Poachers—
See Egg Poachers.

Police Goods—
J. P. Lovell's Police Goods.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
Tower & Lyon's.....25%

Polish, Metal—
Prestoline Liquid, New List.....40%
Prestoline Paste.....33⅓@40%

Polish, Stove—
Dixon's Plumbago.....₩ ₤ 8c
Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75

Poppers, Corn—
Round or square, 1 qt., ₩ doz. $ .75; ₩ gr. $6.50 } 10@ 1½ qt. ₩ doz. $ .85; ₩ gr. $8.00 } 15% 2 qt., ₩ doz. $1.15; ₩ gr. $12 00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3.00; 2 qt., $4 00.....33⅓%

Post Hole Diggers—
Ryan's.....₩ doz., $20.00, 25%

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Cronk's Pruning Shears.....33⅓%
Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $13.00, 25@25&10%
Dunlap's Saw and Chisel....₩ doz $3.50, 20%
Henry's Pruning Shears ₩ doz $3.50@$3.75
E. S. Lee & Co.'s Pruning Tools.40%
P. S. & W. Co.'s Shears.....60%
Pruning Shears, Henry's Pat. ₩ doz.....$3.50@3.75
Waters Tree Pruners .... 75&10%
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%

Pulleys
Awning.....60@60&10%
Axle.....60&10@60&10&10%
Brass Screw.....66⅔@70%
Ceiling.....60@60&60%
Clothes Line, Japanned..60@60&10%
Common Sense.....60%
Dumb Waiter.....60@60&10%
Empire Sash Pulley.....60%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%.
Hot House.....50&10@50&10&10%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%
Side. Anti-Friction.....50%
Shade Rack.....45%
Upright.....50&10@50&10&10%

Pumps—
Cistern, Best grades..65&10@70&10%
Pitcher Spout, Best grades 75&10@80% Pitcher Spout, Cheaper Goods. 60&5@60&10%
F. E. Myers & Bro.:
No. 1, Fig. 336, 3 in. Shallow Well Pump.....$12.00
No. 2, Fig. 338, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14, Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 23, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 333, 3½ in. Shallow Well Pump.....$17.00
No. 70, Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig. 333, 3 in. Deep Well Pump.....$15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 103, Fig. 443, 3 in. Lift Pump.....$10.00
No. 108, Fig. 443, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 339, Windmill Pump.....$12.50
No. 230, Fig. 403, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 260 Fig. 484, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 512, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 330, Fig. 493, Bucket Spray Pump.....$5.50
No. 331, Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Bemis & Call Co.'s:
Cast Steel Drive.....50@5%
Check.....55%
Spring.....60&5%
Springfield Socket 65%
Morrill's Universal.....35%
Niagara Hollow.....45%
Niagara Solid.....55%
Rand's Centering Marking Tool..25%
Rice's Hand.....15%
Saddlers' or Drive, good ₩ doz..60@60%
Spring, good quality, ₩ doz $1.70@1.80
Spring, Leach's Pat.....15%
Tinners' Solid, P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow, P. S & W. Co 20&5%

Rail—

Barn Door, Light, In.	½	⅝	¾
Per 100 feet.....	$1.40	1.95	2.80

Barn Door, "None Better" No. 1, ₩ foot.....2¾c
Barn Door, "None Better" No. 2, ₩ foot.....2¼c
B. D. for N. E. Hangers:

	Small.	Med.	Large
Per 100 feet..	$1.60	2.00	2.50

Carrier Steel Rail, ₩ foot.....4½c
Cronk's:
Competition.....₩ foot, 2½c
Common.....₩ foot, 2¼c
Double Braced.....₩ foot, 2¾c
Lanes' O. N. T.....₩ 100 ft. $2.40
Moore's Wrought Steel.....35%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft 2½c
Sliding Door, Wr't Brass, 1¼ in. ₩ ₤, 35c.....80&10@40&5%
Terry's Steel Rail, ₩ foot.....3½c
Victor Track Rail, 7c ₩ foot, 80&10&2½%

Rakes—
Cast Steel, Association goods.75&15%
Fort Madison Red Head Lawn, $3.25
Ft. Madison Blue Head Lawn, $3.00
Gibbs':
Acme.....net ₩ doz. $4.00
Boss, Garden, 14 teeth, net ₩ doz. $3.50
Boss, Garden, 18 teeth, net ₩ doz. $3.75
Canton Lawn Rake...₩ doz. $3.50
Crown Lawn, No. 1....₩ doz. $3.50
Hustler, No. 0.....₩ doz. $3.50
Lawn Rake.....₩ doz. $4.75
Malleable.....70&10@75%
Oneida Lawn.....doz., $6.00
Peerless Socket and Shank..75&15%
Prize Bow-Brace.....75&15%
Queen City.....33⅓%

Razors—
Electric.....List net
J. R. Torrey Razor Co.....30%
Westenholm and Butcher, $10.00 to $2.....10%

Registers—
HOT AIR—
Ferrosteel, Japanned.....8 &10%
Ferrosteel, Nickelplated.....75&10%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
American Screw Co.:
Bay State Rivets..... ...75&10
Burrs.....75%
Soft Steel.....80%
Copper.....60&10&5@30&10&1%
Norway, list Feb. 26, '96.....70%

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Rivet Sets—

Regular list.....7@70&10%

Rollers—

Barn Door, Sargent's list..60&10&10@70%
Cronk's:
Acme Barn Door.....50%
Adjustable Stay..₩ dos. $1.00 net
Screw Stay.....& doz. 60c net

Rope

Cotton Rope, Best, ¼ in. and larger.....₩ lb 14½@15c
Medium, ¼ in. and larger.....₩ lb 12 @13c
Common, ¼ in. and larger.....₩ lb 9½@10c
Jute Rope.....₩ lb 5½c
Manila:
7-16 in. and larger..₩ lb 6½@6½c
½ in.....₩ lb 6½@7 c
¼ and 5-16 in.....₩ lb 7½@7½c
Hay Rope, Med.....₩ lb 6½@6½c
Sisal, ½ in.....₩ lb 5½c
¼ and 5-16 in.....₩ lb 5½c
7-16 in. & larger.....₩ lb 4½c
Med. L'th Y'rn.....₩ lb 4½c
Hay Rope.....₩ lb 4½c

Rules—

Athol, Steel.....33⅓%
Boxwood..5&10&10&10@30&10&10 &10&10%
Ivory.....50&10@50&10&10%
Lufkin's:
Steel.....55%
Lumber.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—

Chinese Laundry.....₩ lb 4½@5c
Chinese Sad.....3½@3½c
Coiebrookdale Iron Co.:
Crown, Improved Pol, ₩ dos. $6.50
Nickel.....₩ dos. $7.00
Comm'n 4 to 10.....₩ lb 2½@2½c

COLD HANDLED—

Enterprise Mfg. Co. of Pa.:
No. E 50, nickel plated, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.45
No. E 50, nickel plated, size 1, 2 or 3 without handles, ₩ doz.$4 45
No. E 55, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.70
No E 55 plain polished, size 1, 2 or 3 without handles, ₩ doz.$4 00
No E 60, nickel-plated, size 1, 2 or 3 with "best" handles, ₩ doz.....$8.25
No. E 60, nickel-plated, size 1, 2 or 3 without handles, ₩ doz.$5.25
No. E 64, nickel-plated, size 4, with "best" handles, ₩ doz $9.80
No. E 64, nickel-plated, size 4, without handles, ₩ doz.....$8 80
No E 65, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.75
No E 65, plain polished, size 1, 2 or 3 without handles, ₩ doz.$1.75
No. E 65, plain polished, size 4, with "best" handles.....$8.80
No. E 65, plain polished, size 4, without handles.....$5.80
The "Best" Handles, with Forged Iron Stretchers, ₩ dos.....$3.00
Self-heating.....₩ dos $10.00, 20%
Self-heating, Tailors' ₩ dos$22.50, 25%
Sensible Nickel.....₩ dos. $7.00
Sensible Pol.....₩ dos $6.50
Sensible, Tailors'.....₩ lb 30@34c

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Emery Cloth.....50&10@60%
Garnet Paper.....30@40&10%
Sand and Emery Paper.50&10@60%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%

Sash Cord—

Cable Laid Italian Sash.....₩ lb 16c
Cable Laid Russia....₩ lb 13½c@14c
Common.....₩ lb 8½c@ 9c
Common Russia Sash.₩ lb 12½c@13c
India Hemp Sash.....₩ lb 9½c@10c
Jute, good quality.....₩ lb 11c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ lb 30c
"Samson" Braided Drab, Cotton.....₩ lb 35c
"Samson" Braided Italian Hemp.....₩ lb 33c
"Samson" Braided Linen, ₩ lb 55c
Silver Lake:
A Quality, Drab..₩ lb 55c. 35@40%
A Quality, White, ₩ lb 50c. 35@40%
B Quality, Drab, ₩ lb 35c. 15@15&7½%
B Quality, White ₩ lb 30c. 15@15&7½%
White Cotton Braided, ₩ lb 21c@25c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts Flush.....70%
Sash Lifts With Lock.....60&10&10%
Sash Rollers.....70%
Shutter Bars.....60&10@70%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%

Sash Locks—

Champion Safety.....70&10&5%
Corbin's Daisy, '95 list.....40@45%
Davis, Bronze, Barnes Mfg. Co...60%
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Ives' Patent....60&10&5@60&10&10%
Payson's Perfect.....70%
Reading.....60&10&10@70%

Sash Weights—

Small lots.....₩ ton, $20.00@$21.00
Ton lots at factory.....$18.00@$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
National Specialty Mfg. Co.....25%

Saws—

Atkin's:
Band.....50&10%
Butcher, Pruning and Compass.....40&10%
Circular.....50&10%
Cross Cut.....40&10%
Gang.....50&10%
Hand.....40&10%
Wood.....40&10%
Disston's:
Circular.....45@50%
Cross Cuts.....40&10%
Gang.....40%
Panel, Hand & Rip.....25%
Haines' Needle Point.....40%
O. E. Jennings & Co.'s:
Butcher.....30%
Hand Panel, Rip and other Saws 25%
Peace:
Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
Richardson:
Circular and Mill.....45&10%
X Cuts.....45&10%
Hand-saws.....25&10%
Star, Butcher.....25%
Woodrough & McParlin Cross Cuts.....45&10%

HACK SAWS AND FRAMES—

Chatillon.....30%
Griffin's:
Complete'.....40&10%
Saw Blades.....40&10@50%
Star, Saws and Blades.....25%

Saw Frames—

O. E. Jennings & Co.....30%
Red, Polished and Varnished..₩ doz., $1.00@$1.10
Richardson's Wood.....net
White Vermont..₩ gro. $8.50@$9.00

Saw Sets—

Atkin's:
Criterion Saw Sets. ₩ doz.....$6.00
Excelsior Saw Tools ₩ dos....$6.00
Bemis & Call Co.'s:
Cross Cut.....30&5%
Hammer, New Pat.....45%
Plate.....30%
Spring Hammer.....30&5%
Disston's Star.....25@25&10%
Hart's Pat. Lever.....20%
Kohler's:
"Giant Royal".....₩ dos. $10.00
"Royal".....₩ doz $6.00
Leach's.....33⅓%
Morrill's:
No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Cross-cuts Nos. 3 and 4, $33.00; No. 5, $31.00.....40&20%
Richardson's.....25%
Seymour Smith & Son, Hammer, ₩ doz.....$4.75
Stillman's ₩ dos.....$1.00
Taintors Positive...$18.00 ₩ dos. 60%

Scales—

Chatillon's:
Eureka.....25%
Favorite.....40%
Grocers' Trip Scales.....50%
Family, Turnbull's.....30@30&10%
Hatch:
Counter, No. 171, ₩ doz. $17.00@ $18.00
Tea, No. 161.....₩ doz. $5 75@$6.00
Union Platform Plain...$3.00@$3.10
Striped.....$2.15@$3.25

Scale Beams—

Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%
Scale Beams, List Jan. 12, '93.50&10%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $3.00.....40&10%
Box, 1 Handle.....₩ doz., $3.00
Box, 2 Handle....₩ doz., $3.60@$4.00
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60@60&5%
Extension.....50&10&5%
Flyer.....50&10&5%
Perfection Screens.....60@60&5%
Window Screen Frames.....60&5%
Stearns':
Frames and Corners....25@25&10%
Gem Window Screen Frames, 25&10%
Monarch Adjustable Window Screens.....50%

Screen Doors—

Phillips:
Empire Fancy.....30&25%
Fancy Pine.....15%
Painted.....50&5%
Stained.....50&10%
Standard Oil.....35&40%

Screw Drivers—

Brace Screw-Drivers.....25&10&5%
Buck Bros.....30%
Screw-Drivers Bits.....27½%
Champion.....40&10%
Disston's.....5@50&10
Pat. Excelsior.....5&5%
Ellrich's Socket and Ratchet.40&10%
Fray's Hol. Hdle. Sets, No. 3, $12.50%
Howard-Allard.....60&10&10%
O. E. Jennings & Co.....40&10%
Jennings & Griffin.....65&10%
Wm. Johnson's:
1 5 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20 and 40.....50@50&10%
Screw-Driver Bits.....₩ dos., 50@75c
Screw-Driver Bits, Parr's ₩ gro.$6.25
N. E. Specialty Co.'s.....50&10%
Stanley R. & L. Co.'s:
No. 61, Varnished Handles.70&10%
No. 66.....75&10%
Tower & Lyon:
Champion.....33⅓%
"Handy" Ratchet.....25%
Williamson's:
Beauty, ₩ dos.....$1.00 } 40%
Gem, ₩ dos.....90c }
C. T. Williamson Wire Novelty Co.40%

Screws—

WOOD SCREWS—

Brass, Flat Head.....90%
Brass, Round Head.....85%
Bronze, Flat Head.....87½%
Bronze, Round Head.....85%
Copper, Flat Head.....65%
Copper, Round Head.....60%
Drive Screws.....90%
Iron, Bright Flat Head.....9 %
Iron, Br't R'd & Oval Head.....85%
Iron, Forged Flat Head.....90%
Nickel Plated, Flat Head.....80%
Nickel Plated, Round Head....77½%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....60%

MACHINE—

Brass, Flat Head.....45%
Brass, Round Head.....40%
Iron, Flat Head.....45%
Iron, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron, ₩ dos., 1 in., $2.75; 1¼, $3.00; 1¼, $3.50
Bench, Wood, Beech.₩ dos $2.00@2.20
Chair.....60&10%
Coach.....82½%
Hand Rail Am. Screw Co.....82½%
Hand Rail, H. & B. Mfg. Co.....80%
Hand Rail, Sargent's....70@70&10%
Hand, Wood.....30&10@40%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W..40@40&10%
Jack Screws, Sargent's.....75%
Jack Screws, Stearns'.....40&10%
Lag Blunt Point, list Jan. 1, 1890. 75&20@80&10%
Piano Stool.....60&10%

Scroll Saws—

Barnes' No. 1, $8; No. 6, $10; No. 7 $15.....25%
Barnes Scroll Saw Blades.....40%
Cricket.....10&10%
O. E. Jennings & Co.....25%
Lester, complete, $10.00.....1'&10%
Rogers, complete, $4.00.....15&10%

Scythes—

Grain.....50&10%
Grass.....50&10%
Scythe Snaths.....50&10@50&10&5%

Seeders—

Raisin, Enterprise.....25%

Shaft Couplings—

Bradley's:
Buggy, No. 8, ₩ Set.....$7.25
Surrey, No. 9, ₩ Set.....$2.60

Shears—

Acme (Cast).....40@40&5%
Ætna, Steel Japanned.....50@50%
Ætna, Steel Nickeled.....70&20%
Barnard's Lamp Trim'rs.₩ doz.$3.75
Clauss:
Nickel.....60%
Japanned.....70%
Davenport Cutlery Co.'s...60@60&10
Heinisch's:
St. Trimmers, etc...60&10&10@70%
Tailor's Shears.....8&10@40%
Pruning. See Pr'ning H'ks & Shears.
Seymour's List, Dec., 1881. 60&10@60&10&10%
Wiss & Sons:
Japanned.....70%
Nickeled.....60%
Tailors' Shears.....60&10%
Tin Snips.....45%

Sheaves—

SLIDING DOOR—

Corbin's list.....60&10&2%
Hatfield's Pattern.....70&10@80%
M. W. Co., list July, 1892.50&10@50&5%
Moore's Anti-Friction.....50%
Patent Roller.....60&10@60&10&5%
R. & E., list August 15, 1895. 60&10@60&10&5%
Russell's Anti-Friction, list Dec. 18, 1895.....60&2%

SLIDING SHUTTER—

Reading list.....60%
R. & E. Mfg. Co.'s.....60@60&10%
Sargent's list.....60@60&10%

Shoes, Horse, Mule, &c.—

HORSE—

Bryden's Frog Pressure.....$4.00
Burden's, Perkins', Phoenix and Bryden's, from jobb's..$3.15@$3.40
Perkins Steel Side Weight Hind $3.15@$3 40
Perkins Improved Snow.....₩ lb 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ lb 9c
1000 lb lots.....₩ lb 9½c
500 lb lots.....₩ lb 10c

Shot—

See Ammunition.

Shovels and Spades—

O. Ames & Sons:
C.S. Edge.....60@7½%
Pat. Cast Steel.....7½@10%
Blair's Cast Steel.....5%
Bouve's Steel.....10%
Carter's Cast Steel.....5%
Sanderson's Cast Steel.....5%
Stone's Cast Steel.....6%
H. M. Myers and other manufacturers are now selling at Association discounts.

Shovels and Tongs—

Brass Head.....60&10@60&10&10%
Iron Head.....60&10@60&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $10@11.50

Skate Sharpeners—

Eureka...₩ doz. $1.75; ₩ gro. $18.00

Slaw Cutters—

Enterprise.....25%
Enterpr'se Mfg. Co.....25%
Tucker & Dorsey:
1 Knife.....₩ gro. $15.00@$18.00
2 Knives.....₩ gro $20.00 @$27.00
Kraut Cutters.....50@60&10%
Woodrough & McParlin.....40%

Slicers—

Vegetable, Enterprise.....25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Cockeyes.....70&10%
Covert Mfg. Co.....45&20&5%
German, new list .40&10@40&10&10%
Fitch's (Bristol).....50%
Sargent's:
Patent Guarded.....70&10&10%
Covered Spring.....60&10%
Open Spring.....70@70&10%

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Covert Mfg. Co:
Breast Strap Buckle Straps
Breast Strap Protector....
Double for Bits or Trace Carrier.....
Loop Eye.....
Loop Eye, Swivel.....
Open Eye.....
Round Eye.....
Round Eye, Swivel.....
45&2% @50%
Covert Saddlery Works:
Banner.....60&20%
Triumph.....60&20%

Spoke Shaves—

Bailey's (Stanley, R. & L. Co.) 50&10%
Iron.....₩ doz. 5&5&10%
Millers Falls.....15&10%
Seymour Smith & Sons, Iron.....20%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%
Wood.....₩ doz. 25&10%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10@30%
B. B. Noyes Meat Forks..50&10@60%
Buffalo S. S. & Co.....33⅓&2%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Holmes & Edwards Silver Co..60%
L. Boardman & Son.....Catalogue
"B"—net List
Meriden Brit. Co. Rogers Bros.40&15%
C. Rogers & Bros.....40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....60%
Simpson, Hall, Miller & Co.....60&5%

MISCELLANEOUS—

Boardman's:
Britannia Spoons, Catalogue "B".....net List.
Nickel Silver, Catalogue "B" net List
Britannia.....60&10%
German Silver.....60&10%
German Silver, Hall & Elton..50& 5% cash
Wm. Rogers Mfg. Co.:
18% Rogers' German Silver...60&5%
29% Rogers' Nickel Silver....50&5%
Rogers' Silver Metal.....50&10&5%

Springs—

See Door Springs.

Squares—

Disston Try Square and T Bevels, 60&10%
Starrett's Micrometer Caliper Squares.....25%
Try Square and T Bevels.60&10&5
@60&10&10%
Winterbottom's Try & Mitre.50&10%
Nickel-Plated..
Steel and Iron.. } 75&10@75&1 &10%

Stair Rods—

Black Walnut.....60%
Brass, Oval or Hollow.....50%

Staples—

Barbed Blind—⅛, ⅝, and ¾ inch, ₩ lb.....5c@6½c
Grand Crossing Tack Co. List: 75&10%

Steels and Dies—

BLACKSMITH'S—

Butterfield's Goods.....35@40%
Gardner.....33⅓&10%
Lightning Screw Plate.....25%
Reece's New Screw Plates.....25@30%
Waterford Goods.....3.@40%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stove.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March, 25, '97.
3% cash. Market irregular and lower prices on some lines.
American Cut Tacks.....20&10%
Carpet Tacks:
American, Blued....90&10@9½&10%
America, Tinned...90&10@90&2½%
Leathered.....50&10%
Steel.....90&20%
Swedes, Lanc.....85&10%
Swedes, S. S.....90&20%
Swedes Iron Tacks:
Lanc.....85&10%
S. S.....90&10&5%
Basket Tacks.....75&10%
Basket Nails.....80%
Bill Posters' and Railroad Tacks:
S. S.....90%
Brush Tacks and Nails.....70&15%
Chair Nails.....80%
Cigar Box Nails.....75%
Common and Patent Brads.....80%
Finishing Nails.....75%
Gimp Tacks:
Lanc.....85&10%
S. S.....90&15%
Hungarian Nails.....85&5%
Lace Tacks.....85%
Lanc.....80&20%
Looking Glass Tacks.....70%
Picture Frame Points.....70%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Trunk and Clout Nails:
Black.....80&5%
Tinned.....80&5@80&10&5%
Upholsterers' Tacks:
Lanc.....85&10%
S. S.....90&15%

MISCELLANEOUS—

Bill Nye Brad Box.....₩ box $4.00
Bill Nye, Jr., Brad Box..₩ box $2.00
Bonnie Blue.....₩ box $1.50
Can Opener Carpet Tacks.₩ gr $4.00
Double Point..90&10&10&10&10&10%
Hammer Carpet Tacks...₩ gr. $4.50
Miniature Keg Tacks..65%&33⅓&10&10&2%
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.65%&33⅓&10&2%

Tack Pullers—

Columbia, No. 1, per doz., net.....$1
" " 2, " " 1.50
Little Jack.....₩ doz. $1.00

Tapes, Measuring—

American.....40&10@50%
Chestermans.....3.@3.&5%
Keuffel & Esser Co 25%
Lufkin's Steel and metallic.....40%

Taps—

American Screw Co.
Machine Screw.....70%
Blacksmiths' Taper.....60&10@60%
Hand and Machine.....60&10@60%
Pipe.....80%

Telephones—

Union Electric Co.:
Letter A, Complete....each, $10.00
Letter B, for Warehouse..each, $8.50
F. o. b. cars Cleveland.

Tin, Perforated—

Harrington & King Perforating Co.: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.50	$1.55
2	$9.00	$1.55
3	$8.25	$1.35
4	$7.75	$1.30
5	$7.20	$1.20
5½	$7.25	$1.20
6	$7.00	$1.15
7	$7.00	$1.10
8	$6.75	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).20&5%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&10%

Tobacco Cutters—

National Specialty Co.....30&5%

Trammel Points—

Backus and Union.....40%
C. E. Jennings & Co., "Eureka".25%
Cook's.....25%
Sargent's.....70&10@70&10&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Prentiss'.....20@25%

Trucks, &c.—

F. E. Myers & Bro.:
Comb. Car., Double Steel T...$3.50
Comb. Car., Wood Track....$3.25
Common 6 in. Wood Sheave Pulley, Fig. 473, ₩ doz.....$1.65
D. H. Fork, Steel Regular, each .75
Double Grapple Fork, each...$2.25
Double Rail Steel Track complete with clamps, ₩ ft..... .09
Faultless Steel Frame K. P Pulley, Fig. 435, ₩ doz.....$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz.$1.75
Floor Hooks, ¾ in. ₩ doz. .65
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$2.00
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz..... .55
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz.$2.00
Malleable Rafter Brackets, ₩ doz..... .45
Nellis Fork, each.....$1.50
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
New Myers Iron Rod Car.....$2.75
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz.. .....$2.25
Rev. Car., Double Steel Track $3.50
Rev. Car., Wood Track.....$3.25
Rope Hitch ₩ doz.....$1.75
Single rail Car, Single Steel T.$3.50
Single Rail Steel Track with clamps, ₩ ft..... .09
Sprouts Shear Fork, each....$1.40
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1.50
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Walker Fork, each.....$1.15
Wrought Rafter Brackets, ₩ doz..... .45

Transom Lifters—

Ajax.....50&10@50&10&5%
Bronze Metal, with Safety Spg. 5 @ 10&10%
Crescent.....7.@7 & 10%
Dicksons.....60%
Nickel Plated.....50&10%
Payson's Solid Grip, Nos. 3 3 and 304.....₩ 1.0, $12.00
Shaw's:
Copper Finished.....8@10%
Lever.....70@70&10%

Traps—

GAME—

Blake's Patent.....60@60&10%
Enterprise Mole.....15%
Newhouse.....40&10@50&5%
Oneida Pattern.....75&5@7&10%

MOUSE AND RAT—

Enterprise Mfg. Co., Mole..... 15%
Rare Rat.....40@40&10%
Household.....₩ gr $10.00
Hotchkiss:
Metallic Mouse,.....₩ doz. 65c
Improved Rat.....₩ gross, $13.50
New Rat.....₩ gross, $13.50
Mouse, Bonanza.....₩ doz 90c@$1.00
Mouse, Catch-'em-Alive ₩ doz $2.50,15%
Mouse, Delusion.....40%
Mouse, Ideal.....₩ gr $9.00
Mouse, Round Wire.₩ doz $1.50, 10%
Mouse, Wood, Choker, ₩ doz holes 10c@9c
Schuyler Rat Killer, No. 1 ₩ gro., $12.50; No. 2 ₩ gro., $15.00
Smith & Egge Mfg. Co:
Superior Rat Trap, ₩ doz....$15.00
Yankee Mouse Trap, ₩ doz.. $5.50
Yankee Rat Trap, ₩ doz.....$11.00

FLY—

Balloon, ₩ doz $1.25.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ doz., $1.25; ₩ gr. $13.50
Harper....₩ doz., $1.75; ₩ gr. $16.50

Trowels—

Brade's Brick.....25@33⅓%
Disston's:
Brick.....25%
Plastering.....25%
Pointing.....30%
C. E. Jennings & Co.:
Brick.....30%
Plastering.....25%
Pointing.....30%
Wm. Johnson's:
Brick.....40%
Plastering.....40%
Pointing.....40%
W. & M. P. Plastering.....35@35&10%
Peace's Plastering.....25@25&5%
Richardson.....25@25&10%
"Rose" Brick Plastering and Moulders.....25@30&10%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vegetable Slicers—

Enterprise Mfg. Co. 25%

Vises—

Solid Box.....50&10@60%

PARALLEL—

Alligator.....50%
Armstrong's:
Combination.....50%
Plain and Hinge.....60%
Athol, Oval Slide.....60&10%
Bonney's Champion.....45@45&10%
Fisher & Norris Double Screw.15&10%
Holland's.....40@40&10%
Howard's.....40&10%
Little Giant Bench.....35&10&5%
Lowell Hand.....33⅓%
Massey's Quick Action.....20@25%
Merrill's.....20&15%
Millers Falls, Mechanics'...net@10%
Moore's.....20%
Parker's.....20@25%
Oval Slide.....50&10%
Victor.....20%
Prentiss.....20@25%
Sargents.....7.&10%
Simpson's Adjustable.....5%
Stephens'.....20@30%
Trenton.....40&5@40&5&10%
Wilson'.....55%

SAW FILERS—

Bonney's Nos. 2 & 3, $15.00.....60%
Stearn's Com., No. 0, 1, 2, and 3..50%
Stearn's Rubber Jaw, Nos. 10 and 33.....33⅓%
Wentworth's.....55%

Wads—

See Ammunition.

Wagon Jacks—

Covert's Saddlery Works:
Victor.....60&20%
Daisy.....60&20%
Lane's Steel 30%

Washer Cutters—

Otis A. Smith's.....20&10&10%

Weather Strips—

Church's:
Axtell, Lacquered, 36 in. ₩ doz. $6.00
Axtell, Lacquered, 42 in. ₩ doz. $7.00
Axtell, Pol. Brass, 36 in. ₩ doz. $12.00
Axtell, Pol. Brass, 42 in. ₩ doz. $15.00

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50@$12.00
American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft. $10.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
Americus, 9s Pen Whip, 6 ft., $8.00
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
Eureka, Two-thirds Whalebone 5½ ft., $15.00; 6 ft., $16.50 6½ ft. $18.00; 7 ft., $20.00.
Gents' Light Driving, No. 111, 6 ft.....$6.00
Gents' Light Driving, No. 108, 6 ft.....$5.00
Hand-Made Stocked Java, No. 103.....5½ ft, $3.75; 6 ft., $4.00
Hardware Assortment 10 | American, 75 Whips for.....$50.00
New Name, Stocked Java, Black and Wine Colors.....6 ft., $3.00
Team Whips....₩ doz $2.00@$7.50
True Grip, Raw Hide Center, 4½ ft. $3.00; 5 ft., $3.00; 5½ ft., $3.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.

Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—

Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Brass Wire.....25%
Bright Wire Goods. Standard list 25&10@25&10&5%
Cast Steel Wire.....50%
Copper Wire.....45%
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&10%
Malin's Brass and Copper on Spools.....50&10%
Market Wire:
Brt. & Ann., Nos. 0 to 18..80@80&10%
Cop'd, Nos. 0 to 18, 75&10@7. &10&5%
Galv., Nos. 0 to 18, 75&10@75&10&5%
Tin'd, Tinned list Nos. 0 to 18.... 75&10@75&10&5%
Picture Wire.....New list 35&10%
Steel Music Wire, Nos. 13 to 20, Imported, ₩ lb.....60@70c
Stub's Steel Wire.....$6.00 to $ 30%
Tate's Spooled Wire:
Annealed and Tinned.....60&10%
Copper and Brass.....50&10%
Tate's Wire Picture Cord Braided and Twisted.....35@10&10%
Tinned Broom Wire, Nos. 13 to 21, ₩ lb.....4½c
Wire Clothes Lines, see Lines.

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UNIVERSAL PUNCHES.

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CUTTING NIPPERS.

This Trade Mark is stamped on all Saw Sets and other Hardware Specialties of my make.

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Wire Cloth, Netting, &c.—

Brass Cloth.....40@55%
Galvanized Wire Netting..80&10@80&20%
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.15@$1.20
Steel Bolting Wire Cloth.....80@55

Wire Rope—

List.
Cast-steel.....2½&2½&2½ cash
Iron.....20&2½&2½ cash
Iron, Galvanized..20&2½&2½ cash

Wire Rope Clips—

Crosby.....35%

Wire Stretchers—

W. C. Heller's Grip.....₩ doz. $1.50

Wrenches—

Acme:
Bright.....60@60&10%
Heavy.....50%
Nickel.....50&10@60%
Agricultural.....80@80&10%
Aiken's Pocket (Bright)..$2.10@3.20
Alligator.....60@60&10%
Always Ready.....33⅓&50@40%
American Adjustable.....40@40&10%
Armstrong's.....40%
Baxter's.....65@65&10%
Bemis & Call's:
Brigg's Pattern.....30&10%
No. 2 Cylinder or Gas Pipe.....55%
No. 3 Pipe, Bright.....60%
Patent Combination Black 40&10%
Patent Combination Bright..40&5%
Boardman's.....80@33⅓%
Champion Carriage.....40%
Cincinnati Tool Co:
Bit.....40&10%
Standard Brace.....35%
Coes':
Genuine.....40&10&5&5&3%
"Mechanics'".....40&10&10&5&5&3%
Pattern Wrought.....80&10%
Donohue's Engineer.....40&10%
Eagle Pipe.....50&10%
Expert Bicycle.....33⅓&10%
Girard Standard.....65&10@70%
Hall's Pipe.....50%
Hercules.....70&10@75%
Lamson & Sessions':
Engineers'.....60@30&10%
Standard.....70&10%
Lowell:
Lag Screw.....25%
Ratchet.....33⅓%
Socket Bridge.....20%
Stillson Pipe.....45%
Taylor Pipe and Nut.....40%
Trimo Combination.....40%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
J. H. Williams.....25%
Yankee.....45%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1894, 2%
Colby Wringer Co., list May 1, 1894, 2%
Lovell Mfg. Co., list July 2, 1894...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%
Peerless Mfg. Co., list Feb., 1892...2%
NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in barrels..₩ gallon.....80c
Linseed, City, Boiled, in barrels ₩ gallon.....83c
Out of Town on Spot..₩ gal.....80c
Calcutta, Raw, in bbls....₩ gal. 50c
Lard. Prime City.....₩ gal. 40@42c
Western, Prime.....40@41c
Extra, No. 1.....32@38 c
No. 1.....30@32c

Paints and Colors—

Barytes, Foreign, ₩ ton, $15.00@$18.00
Barytes, American Floated, ₩ ton $22.00@$23.00
Barytes, American, No. 1. ₩ ton, $9.00@$10.00
White Lead, American, Dry, in Bbls. ₩ ₤.....4¼@4½c
White Lead, American, in Oil, ₩ ₤.....5¼@5½c
White Lead, Foreign, in Oil, ₩ ₤ 6@7c
Litharge, Kegs, ₩ ₤.....5½@5½c
Zinc, American, Extra Dry, ₩ ₤ 3¾@4¼c

Putty—

In bbls. and half bbls.....1½@1¾
Putty in Bladders.....1¾@2
Putty in Tins.....1¾@2¼

Spirits Turpentine—

In regular bbls.....27½@—c
In machine bbls.....27½@—c

Dry Colors—

Blue, Chinese	₩ ₤ 37	@40	
Blue, Prussian	₩ ₤ 30	@35	
Blue, Ultramarine	₩ ₤ 8	@25	
Sienna, American, burnt	₩ ₤ 1½@	1½c	
Sienna, American, raw	₩ ₤ 1½@	1½c	
Umber, American, burnt	₩ ₤ 1½@	1½c	
Umber, American, raw	₩ ₤ 1½@	1½c	
Green, Chrome, Common	₩ ₤ 5	@12	c
Green, Paris, in bulk	₩ ₤ 12	@15	c
Indian Red, American	₩ ₤ 2	@8	c
Indian Red, English	₩ ₤ 4½@9		

Colors in Oil—

Black Coach Japan	₩ ₤..18½@20		
Black Coach Japan, in Oil	₩ ₤ 12	@18	c
Black Drop	₩ ₤ 7	@10	c
Black Lampblack	₩ ₤ 20	@28	c
Black Lampblack, common	₩ ₤ 7@15		c
Blue, Chinese	₩ ₤ 35	@40	c
Blue, Prussian	₩ ₤ 20	@40	c
Blue, Ultramarine	₩ ₤ 12	@18	c
Brown, Sienna, burt	₩ ₤ 7	@10	c
Brown, Sienna, raw	₩ ₤ 7	@10	c
Umber, burnt	₩ ₤ 7	@10	c
Umber raw	₩ ₤ 7	@10	c
Brown, Vandyke	₩ ₤ 7	@12	c



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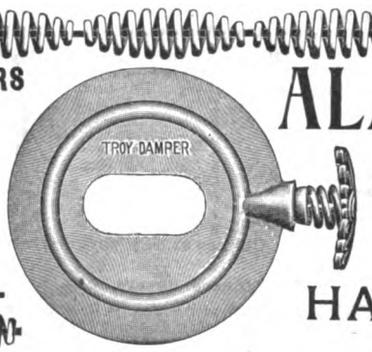
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STEEL DOOR HANGERS.

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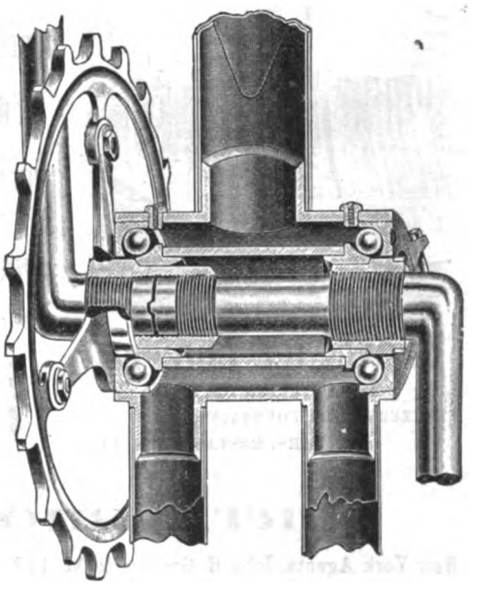


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FOR A FIFTH ACE
AS A FLAW
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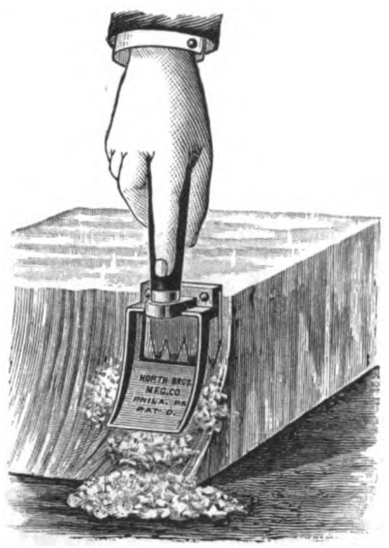
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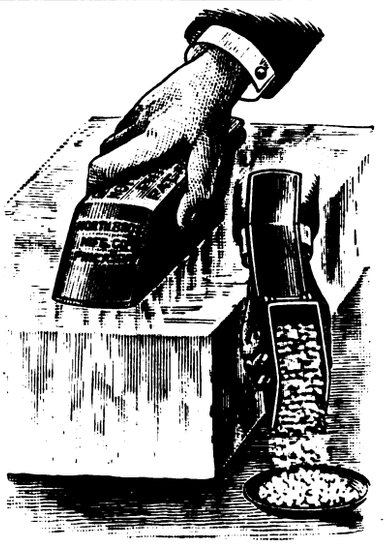
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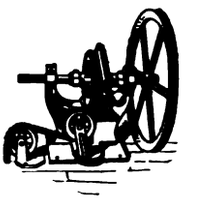
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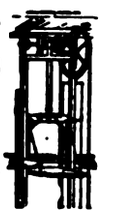
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Self-Retaining
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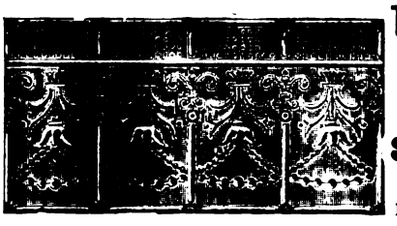


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For sale by the wholesale Hardware trade.

"Bright and Newsy."

Biddle Hardware Co., Philadelphia, Pa. [*General Hardware and Bicycles*]: In season and out, we have claimed that the Hardware trade was the proper medium for the disposal of bicycles and bicycle sundries throughout the country, and our opinion on this point is so well known, that it does not seem as if we could strengthen it materially by saying it again. Of course large cities may be able to support a few exclusive bicycle men, but in the majority of towns and cities throughout the country the man must have other business in order to make it pay. We appreciate the fact that from the first HARDWARE has held the same views, and we think they have been fully justified by the trend of events. HARDWARE is always welcome in our office, and its bright and newsy columns are often a relief amid the cares of business.

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Carpet Sweepers.
Bissell Carpet Sweeper Co., Grand Rapids, Mich.; New York.

Cash Registers
National Cash Register Co., Dayton, Ohio.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.

Ceilings.
Canton Steel Roofing Co., Canton, Ohio
S. Keighley & Co., Pittsburg, Pa.

Cement.
New York Belting & Packing Co., Ltd., New York.

Cherry Stoners.
Goodell Co., Antrim, N. H.

Chucks.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Clasps.
Th. M. Haas, New York.

Clay Screens.
Harrington & King Perforating Co., Chicago.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
American Shearer Mfg. Co., Nashua, N. H.
Coates Clipper Manufacturing Co. Worcester, Mass.
John H. Graham & Co., New York.

Clock Springs.
Wallace Barnes, Bristol, Conn.

Coal Screens.
Edward Darby & Sons, Phila., Pa.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Copper.
Bruce & Cook, New York.

Copper, Perforated.
Harrington & King Perforating Co., Chicago.

Cordage and Twines.
Samson Cordage Works, Boston.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
Erie Specialty Co., Erie, Pa.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Cresting.
E. T. Barnum, Detroit, Mich.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Curry Combs.
Akron Hdw. & Stamping Co., Akron, Ohio.
John H. Graham & Co., New York.
F. E. Kohler & Co., Canton, Ohio.

Cutlery.
John Chatillon & Sons, New York.
Alfred Field & Co., New York.
Fox Cutlery Co., New York.
Goodell Co., Antrim, N. H.
R. Heinisch's Sons Co., Newark, N. J.
Northampton Cutlery Co., Northampton, Mass.
Jos. Rodgers & Sons, Sheffield, England.
Seymour Cutlery Co., Holyoke, Mass.
J. Wiss & Sons, Newark, N. J.

Cutters, Fodder.
W. R. Harrison & Co., Massillon, O.
Silver Mfg. Co., Salem, Ohio.

Dies.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Th. M. Haas, New York.
Schwerdtle & Siebert, Bridgeport, Conn.
Vieillard & Osswald, Brooklyn, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Stocks.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Display Trays.
Campbell Cutlery Co., Syracuse, N. Y

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
Norton Door Check & Spring Co., Boston, Mass.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York.

Doors and Shutters, Iron.
Stewart Iron Works, Cin'nati, O.

Drills.
Cleveland Twist Drill Co., Cleveland, O.
Kearney & Foot Co., New York.
Standard Tool Co., Cleveland, O.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
J. G. Speidel, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham & Co., New York.
Union Electric Co., Cleveland, O.

Elevators.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery Wheels.
New York Belting & Packing Co., Ltd., New York.

Enamel.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scotland.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
Boston & Lockport Block Co., Lockport, N. Y.
John H. Graham & Co., New York
National Specialty Mfg. Co., Philadelphia, Pa.
John Sommer's Son, Newark, N. J

Fences, Wire and Iron.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson Ind.
Henry Disston & Sons, Phila., Pa.
Hammacher, Schlemmer & Co. New York.
Kearney & Foot Co., New York.
Nickels & Nutting Co., New York.

Filters.
J. H. Seed, New York.
N. A. Watson, Erie, Pa.

Fire Escapes.
Stewart Iron Works, Cin'nati, O.

Fishing Tackle.
Enterprise Mfg. Co., Akron, Ohio.

Flat Ware.
See Plated Ware.

Flower Pot Stands.
Gilbert & Bennett Mfg. Co., N. Y., Chicago, Georgetown, Conn.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading Pa.

Fronts for Buildings, Iron.
Stewart Iron Works, Cin'nati, O.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garden Tools.
Cleveland Lawn Weeder Co., Cleveland, Ohio.
F. E. Kohler & Co., Canton, Ohio.

Gate, Latch and Hinge.
Burr & Houston Co., Brooklyn, N. Y.

Gears.
T. F. Welch & Co., Boston.

Glass Cutters.
Thomas J. Andress, Philadelphia.
W. L. Barrett, Bristol, Conn.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.
J. D. Johnston, Newport, R. I.

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Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grating, Iron.
Stewart Iron Works, Cin'nati, O.

Grindstones.
Cleveland Stone Co., Cleveland.

Gunpowder.
E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York.

Gun Implements.
Hartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Gymnasium Supplies.
Hawthorne & Sheble, Phila.

Hangers, Coat and Hat.
Cronk Hanger Co., Elmira, N Y

Hangers, Door.
Darling, Brown & Sharpe, Providence, R. I.
Cronk Hanger Co., Elmira, N.Y.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McKinney Mfg. Co, Allegheny, Pa.
E. C. Stearns & Co., Syracuse, N.Y.
Van Wagoner & Williams Hdwe. Co., New York and Cleveland.

Hangers, Window and Screen.
Phenix Mfg. Co., Milwaukee, Wis.

Hardware Dealers, Agents, Etc.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Akron Hdw. & Stamping Co., Akron, Ohio.
Arcade Mfg. Co., Freeport, Ill.
Berger Bros., Philadelphia.
Bruce & Cook, New York.
Buchel Brush Novelty Co., New Orleans, La.
Enterprise Mfg. Co., Philadelphia.
Griswold Mfg Co., Erie, Pa.
Hastings & De Baun, New York.
T. W. Houchin, New York.
A. N. Jacob, New York.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
North Bros. Mfg. Co., Philadelphia.
Pelouze Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.
E. C. Stearns & Co., Syracuse, N.Y.
Charles Weiland, New York.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hasps.
McKinney Mfg. Co., Allegheny, Pa.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Heaters
C. R. Meres Heater Mfg. Co. Norwalk, O.

Hinges.
Bommer Bros., New York.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New York.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Capewell Horse Nail Co., Hartford, Conn.

Hose Couplings.
King & Knight, Boston.

Hose Menders.
King & Knight, Boston.
F. E. Kohler & Co., Canton, Ohio.

Hose Pipe.
King & Knight, Boston.

Hose, Rubber.
King & Knight, Boston.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.
Logan & Strobridge Iron Co., New Brighton, Pa.
North Bros. Mfg. Co., Philadelphia.
Wm. T. Wood & Co., Arlington, Mass.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Ink.
Barnes National Ink Co., New York and Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co, Chicago.

Jail Work.
Stewart Iron Works, Cin'nati, O.

Japanning.
C. H. Angus, Albany, N. Y.

Kraut Cutter.
National Saw Co., Newark, N. J.

Ladders.
Indiana Ladder Co., Indiana, Pa.

Lamps.
Aladdin Lamp Co., Newark, N. J.
Cycle Danger Signal Co., New York.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lathing, Metallic.
George Hayes, New York.

Lawn Mowers.
Chadborn & Coldwell, Newburgh, N. Y.
Clipper Lawn Mower Co., Norristown, Pa.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
F. E. Kohler & Co., Canton, Ohio.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
King & Knight, Boston.

Lawn Weeders.
Cleveland Lawn Weeder Co., Cleveland, Ohio.

Lead.
Bruce & Cook, New York.
Colwell Lead Co. New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Lemon Squeezers.
Berger Bro., Philadelphia.
John H. Graham & Co., New York.
Logan & Strobridge Iron Co., New Brighton, Pa.
John Sommer's Son, Newark, N. J.

Levels.
Akron Level Works, Akron, O.
Tower & Lyon, New York.

Locks and Knobs.
Ames Sword Co., Boston.
Brass Goods Mfg. Co, Brooklyn, N. Y.
Champion Safety Lock Co., Cleveland, O.
John H. Graham & Co., New York.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York and New Haven, Conn.

Machinery.
Athol Machine Co., Athol, Mass.
Miner & Peck Mfg. Co., New Haven, Ct.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
The Scranton & Co., New Haven, Conn.
Vieillard & Oswald, Brooklyn, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury Ct.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y
T. F. Welch & Co., Boston.

Mail Boxes.
W. C. Heller & Co., Montclair, N. J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.
North Bros. Mfg. Co., Philadelphia.

Mechanical Rubber Goods.
New York Belting & Packing Co., Ltd., New York.

Metal Ceilings.
Canton Steel Roofing Co., Canton, Ohio.
S. Keighley & Co., Pittsburg, Pa.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.
Meyers' Puts Pomade Co., Boston.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Mirror & Window.
Bayer & Co., Philadelphia.

Mixers.
Eynon & Sons, Philadelphia.

Model Making.
T. F. Welch & Co., Boston.

Mucilage.
Barnes National Ink Co., New York and Philadelphia.

Nails.
Bruce & Cook, New York.
Fuller Bros. & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
Rockford Tack Co., Rockford, Ill.
Salem Wire Nail Co., Salem, O.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Nail Pullers.
The Scranton & Co., New Haven, Conn.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilers.
Cushman & Denison, New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Iron Work.
Stewart Iron Works, Cin'nati, O.

Packing.
Gould Packing Co., East Cambridge, Mass.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.

Patent Solicitors
Dyer & Driscoll, New York.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.
Upson & Hart Co., Unionville, Ct.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Pliers.
Cronk Hanger Co, Elmira, N. Y.

Plumbers' Furnaces.
Primus Cooking & Heating Apparatus Co., New York.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.

Power Hammers.
The Scranton & Co., New Haven, Conn.

Power Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Prismatic Sidewalks.
Stewart Iron Works, Cin'nati, O.

Pumps.
Barnes Mfg. Co, Mansfield, Ohio.
Canton Pump Co., Canton, O.
F. E. Myers & Bro., Ashland, O.
Pittsburgh Pump Co., Pittsburgh Pa.
St. Joseph Pump Mfg. Co., St. Joseph, Mo.

Punches.
F. J. Mattison, New York.

Punching and Shearing Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Radiator Deflectors.
Clark Hot Air Deflector Co., Akron, O.
J. Rutherford & Son, Akron, Ohio.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.
Stewart Iron Works, Cin'nati, O.

Rails, Barn Door.
McKinney Mfg. Co., Allegheny, Pa.

Raisin Seeders.
Enterprise Mfg. Co., Philadelphia.

Rakes.
F. E. Kohler & Co., Canton, Ohio.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
P. J. Conroy & Co., Philadelphia.

Reels.
Hartzell Novelty Works, Alliance, Ohio
King & Knight, Boston.

Repair Outfits.
B. F. Goodrich Co., Akron, O.

Rivets.
Bruce & Cook, New York.

Rollers.
Fulton Machine Co., Canal Fulton, O.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington Conn., and New York.

Roofing and Roofers' Supplies.
Canton Steel Roofing Co., Canton, Ohio.
Berger Bros., Philadelphia.
L. D. Berger, Philadelphia.
Berger Mfg. Co., Canton, O.

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Roofing Slate.
E. J. Johnson & Co., New York.

Roof Trusses, Iron.
Stewart Iron Works, Cin'nati, O.

Rubber Belting.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
B. F. Goodrich Co, Akron, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rules.
Darling, Brown & Sharpe Providence, R. I.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Scales.
John Chatillon & Sons, New York
North Bros. Mfg. Co., Philadelphia.
Peloubet Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scrapers, Wheel.
Sidney Steel Scraper Co., Sidney, O.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co. Georgetown, Conn, New York Chicago.
A. J. Phillips Co., Fenton, Mich.

Screws
Harvey Hubbell, Bridgeport, Ct.

Screw Cutting Tools.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
Tower & Lyon, New York.

Screw Plates.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark. N. J.

Shelf Boxes.
W. C. Heller & Co., Montclair, N. J.
Henry H. Sheip & Co., Philadelphia.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Niagara Silver Co., Niagara Falls, N. Y.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Single Tube Tires.
B. F. Goodrich Co., Akron, O.
New York Belting & Packing Co., New York.

Sink Cleaners.
John W. Sudlow, Brooklyn, N. Y.

Skates.
John H. Graham & Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Skylights.
George Hayes, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Smoke Pipe Registers.
Ferrosteel Co, Cleveland, Ohio.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Solder.
Bruce & Cook, New York.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Stairs, Iron.
Stewart Iron Works, Cin'nati, O

Stamps.
Schwerdtle & Siebert, Bridgeport, Conn.

Steel Goods.
Canton Steel Roofing Co., Canton, Ohio.
Finished Steel Co, Youngstown, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel, Perforated.
Harrington & King Perforating Co, Chicago.

Steel Traps.
Oneida Community, Kenwood, N. Y.

Step Ladders.
Bicycle Step Ladder Co., Chicago.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Holroyd & Co., Waterford, N. Y.

Store Fixtures.
Hartzell Novelty Works, Alliance, Ohio.

Stoves.
Primus Cooking & Heating Apparatus Co., New York.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co.' Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Structural Iron Work.
Stewart Iron Works, Cin'nati, O.

Tackle Blocks.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Ney Mfg. Co. Canton, Ohio.
Union Hardware Co., Torrington Conn

Tacks.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tapping Machines.
Harvey Hubbell, Bridgeport, Ct.

Taps and Dies.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Tap Wrenches.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Telephones.
Union Electric Co., Cleveland,

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tires Rubber.
B. F. Goodrich Co., Akron, O.
New York Belting & Packing Co., New York.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Hammacher, Schlemmer & Co. New York.
Th. M. Hass, New York.
Holroyd & Co., Waterford, N. Y.
Standard Tool Co., Cleveland, O.

Traps.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
John H. Graham & Co., New York.
Oneida Community, Kenwood, N. Y.
Smith & Egge Mfg. Co., Bridgeport, Ct.

Trucks, Store.
Boston & Lockport Block Co., Lockport N. Y.
John Chatillon & Sons, New York.
John H. Graham & Co., New York.

Trucks, Stove.
Barnes Mfg. Co., Mansfield, O.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Tubing.
Pope Tube Co., Hartford, Conn.

Turnbuckles.
Merrill Bros., Brooklyn, N. Y.

Valves.
Kendrick Valve & Washer Co., Syracuse, N. Y.

Varnishes.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scot'and.
Glidden Varnish Co. Cleveland, O.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Athol Machine Co., Athol, Mass.
Howard Iron Works, Buffalo, N. Y.
Tower & Lyon, New York.

Wagon Jacks.
Lane Brothers, Poughkeepsie, N. Y.

Wagon Umbrellas.
Sprague Umbrella Co., Norwalk, Ohio.

Washers.
Kendrick Valve & Washer Co. Syracuse, N. Y.

Watchman's Clocks.
E. O. Hausburg, New York.
E. Imhauser, New York.
Nans & Co., New York.

Wheelbarrows.
Akron Cultivator Co., Akron, O.
Arnold Metal Wheel Co., New London, Ohio.
Bryan Mfg. Co., Bryan, Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, O.

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Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

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Samson Cordage Works, Boston.

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John H. Graham & Co., New York

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Clinton Wire Cloth Co., Clinton Mass.
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Tower & Lyon, New York.

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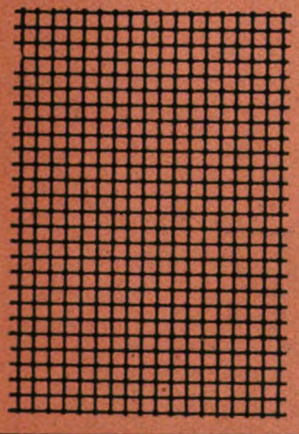
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HARDWARE EXCLUSIVELY.

A Review of the American Hardware Market.

Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. XV. No. 4. New York, May 25, 1897. $1.00 A YEAR



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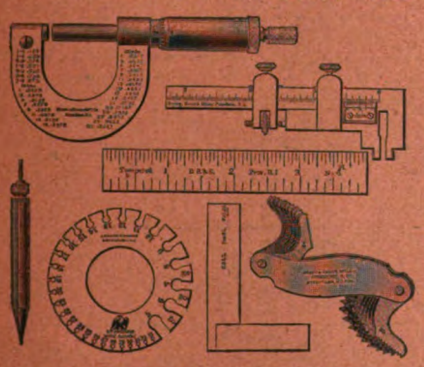
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"THE SURVIVAL OF THE FITTEST."

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U. M. C. PAPER SHELLS TOOK THE HIGHEST HONORS.

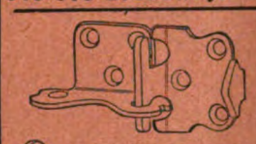
The Hon. Thomas A. Marshall, of Keithsburg, Ill., was the only contestant out of 134 shooters facing the traps who made a clean score of 25 birds. . . . . .

HE USED U. M. C. TRAP SHELLS.

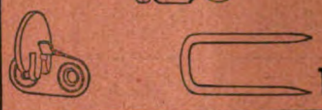
Of the remaining 33 other prize winners, 27 used **U. M. C. SHELLS.** The result of this contest speaks volumes for the **quality of U. M. C. Goods.**

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THEY WILL NOT BREAK.
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ORANGE EXTRA SPORTING POWDER.

See top page 3.

NEW IMPROVED **TAPPING MACHINE**

15,000 holes tapped per day. Description mailed.



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BRASS MACHINE SCREWS.

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SAMSON & MASSACHUSETTS, Brands.

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MILLER & VAN WINKLE
STEEL WIRE AND STEEL SPRINGS

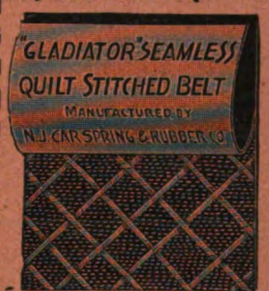
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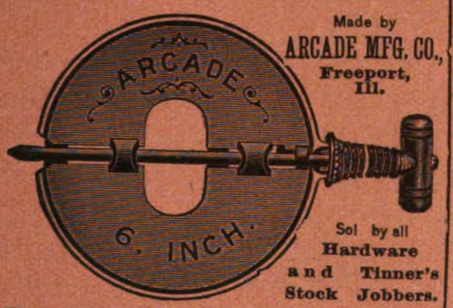
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Plain and Galvanized Wire.

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Wire Straightened and Cut to length.



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TAKE AN AGENCY FOR THE
Royal Polished Steel Roaster and Baking Pan.

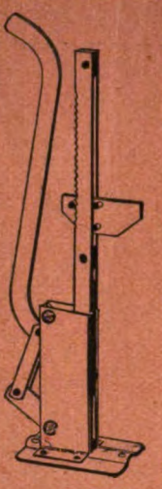


Self-Basting. Saves 20 per cent. that passes off in steam when roasted in an ordinary pan. *Made of polished steel,* in 7 sizes, including *inside pans* and *grate bars* in all sizes. *Bakes finest bread.*
For terms, address

THE ROYAL POLISHED STEEL ROASTER CO., Troy, O., U. S. A.

BEST MADE!

LANE'S STEEL JACK.



NO CAST METAL
NO WOOD.

Operated by powerful compound levers.

No. 1, to lift 900 lbs.
" 2, " 1800 "

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Springs, Tools & Cutlery.



Send for Tool Catalogue.

Tempered Springs of all kinds.

High Grade
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Large variety, adapted to every class of work.

Patent Sewed Buffs.

The finest in the world.

We are the largest manufacturers of Buffs in the United States. . .

Write for Catalogue and prices.

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ESTEY WIRE WORKS CO.,
NO. 65 FULTON ST., N. Y.

MANUFACTURERS OF

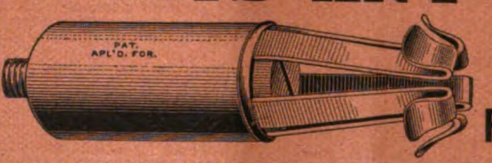
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Of Brass, Copper, Iron, Galvanized and Steel Wire of all meshes and grades. For Mining, Milling, and all other purposes. Locomotive Spark Wire Cloth, &c.

For Bank, Office and Counter Railings; Wickets, Grills, etc., in Brass Bronze, Oxidized and other effects. Elevator Enclosures, &c.

Coal and Sand Screens, Riddles for Export and Foundry Use. Galvanized Twist Netting, Wire Window Screens, &c.

FITS ANY GAUGE.



Price, 75 cents.

THE
Favorite Gun Cleaner

Removes thoroughly all deposit from gun barrels without injury.

SEND FOR SAMPLE.

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BARRETT'S PRACTICAL GLASS CUTTERS



Eighteen Different Styles. None Better Made. For Cutting Glass Tubes, Circular or Straight Work.

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W. L. BARRETT, Bristol, Conn.



THE AKRON SPIRIT LEVEL

The ONLY Level to be depended upon all the time, and it SELLS. . . .

You can send for one or a dozen. Just to try them. Fully warranted.
Catalogue for Asking.

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AKRON, OHIO.



WITH THIS SCREW LADIES CAN DRAW TIGHT CORKS EASILY.

WILLIAMSON'S
HAND POWER CORK SCREW,

Pulls the Cork out of the Bottle.

DIRECTIONS FOR USE:
KEEP ON TURNING, DO NOT PULL.

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NEWARK, N. J.

Manufacturers of Wire Specialties for the Trade.

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LAFLIN & RAND

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ABSOLUTELY UNIFORM, IMPERVIOUS TO MOISTURE, OR

Orange Extra Sporting,

IN USE SINCE 1808.

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Mfgrs. of Black and Smokeless Sporting and Military Powders,

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Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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For general shooting, either in muzzle or breech loaders.

"V. G. P." NEW TRAP POWDER. "V. G. P."
A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

Du Pont's Smokeless Powder.
Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

MILITARY POWDER and GUN COTTON
Of a quality to meet requirements of U. S. Army and Navy.

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Meyers' Putz Cream Liquid Metal Polish



Unsurpassed for imparting a brilliant polish to

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TRY IT

It is particularly valuable for

Harness and Door Trimmings

As it leaves no stains or discolorations. Samples, advertising matter and electrotypes gratis.

Prices and Sizes:

¼ pint cans (2 doz. in case)			$1.80 per doz.
½ "	3	" "	3.00 "
1 "	2	" "	6.00 "
1 quart can	2	" "	10 80 "
½ gal. "			18.00 "
1 " "			36.00 "

Order as originally packed and get best discounts.

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"OLD JOB JOHNSON'S."



The **Best Gate,**

Latch and Hinge

EVER MADE.

The Years Have Proved Their Value

Their One Fault :—

They Won't Wear Out!

Simple, Durable and Cheap. Arranged to work without any spring, on its own Automatic principles. Send for descriptive circular and prices. . . . . .

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The Standard for the World.

COLUMBIA BICYCLES.

$100 $100



Model 40. Weight, 21½ pounds.

Leading in Popularity and Improved Construction.
Unequalled—Unapproached.

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When You Buy GOODRICH TIRES

You are getting full value for your money. They have the quality and construction which preclude disappointment. Write for prices, sample section, etc. . . . .

The "Solution" used in the **"Jiffy" Repair Tool** is not ordinary rubber cement, but a specially prepared and secret compound of which we alone have the secret. It repairs punctures, large or small, everytime and for keeps. No doubt or uncertainty about it. It does the work. The "Jiffy" sells for 50 cents, or is given free with every pair of GOODRICH TIRES.

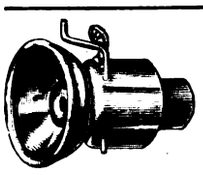
The B. F. Goodrich Co.,
Akron Rubber Works,
AKRON, OHIO.

—— BRANCHES: ——
New York, 66 Reade St. Chicago, 159 Lake St. San Francisco, 35 New Montgomery St.



WATERBURY BRASS CO.,
60 Centre St., New York.
. . Manufacturers of . .
Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

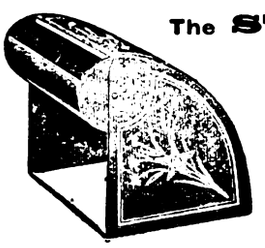
PERCUSSION CAPS
OF ALL KINDS.
Hicks Primers, Berden Primers, Powder Flasks and Shot Pouches.
TAPE MEASURES,
EYELETS AND SMALL BRASS WARES
OF EVERY DESCRIPTION.



OWEN WALSH, 117 Walker Street, New York City.
Speaking Tube Materials, Gas Taper Torches.



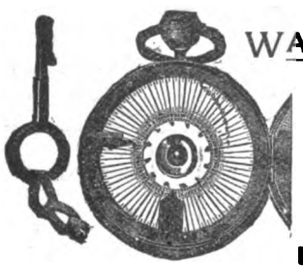
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The STAR DEFLECTOR
SUPERIOR TO ALL OTHERS.

Used on Hot Air Furnaces and Radiators. Handsome, Simple, Durable. In moistening the atmosphere it overcomes the only objection to using Hot Air Furnaces. . . .

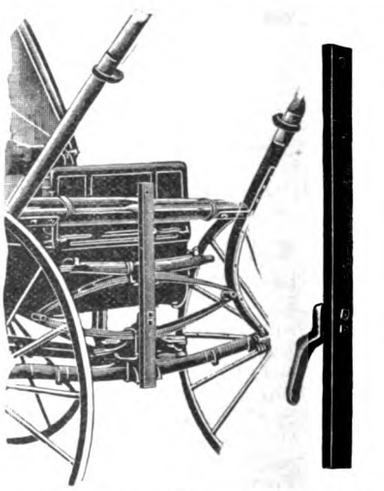
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J. RUTHERFORD & SON,
111 S. Main Street. - - - - AKRON, OHIO.



HAHN'S LATEST IMPROVED
WATCHMANS' TIME DETECTOR,
WITH SAFETY LOCK ATTACHMENT.
Highest Award at Columbian Exposition.

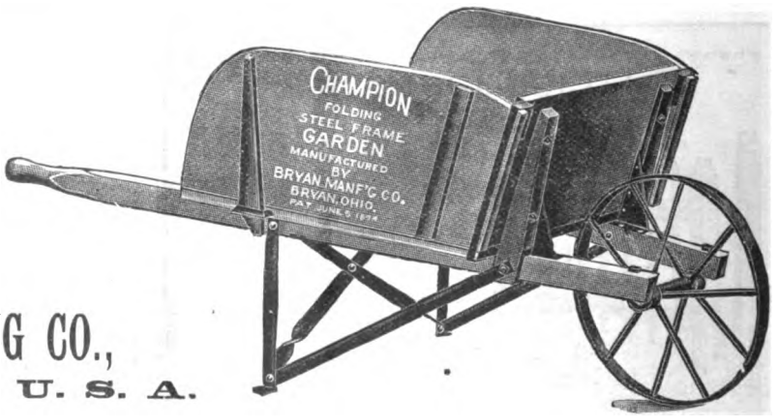
This Clock is neat, thoroughly reliable and very durable. **Cannot be tampered with.** Price moderate. Is adapted for six or twelve stations, having a different key for each. Registering is done by number from 1 to 6 and 1 to 12, each station having its number. No chance for a fraudulent record here. Old style detectors mark by holes or an impression on dial, the same for all stations. Allowance made for old Detectors. Send for circulars, prices and further particulars.

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FERNALD THILL SUPPORT.
It Speaks for Itself. For details, prices, etc., send to
THE FERNALD MFG. CO,
NORTHEAST PA.

NO, SIR,
Nothing made to Compare with this
GARDEN BARROW.
Try it and you will Always Buy it.
BRYAN MANUFACTURING CO.,
Bryan, Ohio, U. S. A.



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IN THE CONSTRUCTION

of hose the same two materials are always used—cotton and rubber. But the proportions vary—in rubber hose the rubber costs several times as much as the cotton; in cotton hose the cost of the two is about equal. Now the office of cotton is to give strength; that of rubber (in addition to forming the water way), to cover and protect the cotton from injury. It follows that, as cotton hose contains less rubber, while it is as strong it is not so long lived as rubber hose. That's the disadvantage; the advantages are that it costs less and is easier to handle. We carry two brands of cotton garden hose: **DOUBLE DIAMOND** is exceedingly strong; it has frequently been tested to 500 pounds pressure, and will stand the service of any water works. **SPIDER** is a lighter hose, but thoroughly well made, and will give fine service under all ordinary pressures. Send for samples, prices and booklet. If you prefer rubber hose, remember we have eight brands to choose from.

BELTING	*Chicago, . . . 143-145 Lake St.*	LEAGUE TIRES
GARDEN HOSE	*Boston, ... 24 Summer St.*	TUBING
WATER HOSE	*Philadelphia, . 308 Chestnut St.*	VALVES
STEAM HOSE	*St. Louis, . . . 210 N. 12th St.*	RUBBER TILING
FIRE HOSE	*Indianapolis, . 79 So. Illinois St.*	RUBBER MAT'G
PACKING	*San Francisco, 509-511 Market St.*	SPECIALTIES
GASKETS		EMERY WHEELS

NEW YORK BELTING & PACKING CO. LTD

PIONEERS AND LEADERS, 25 PARK PLACE.

ECONOMIZE.

SHELF BOXES { MADE TO ORDER. ESTIMATES FURNISHED.

HENRY H. SHEIP & CO.,

Columbia Ave. and Randolph St.,

PHILADELPHIA.



DIXON'S
Carpenters' Pencils
DIXON'S
Lumbermens' Crayons

Are salable goods for any Hardware Dealer and carry with them a good profit.

Have you our new Production Catalogue? It is sent free of charge.

Jos. Dixon Crucible Co., Jersey City, N. J.



Smoke Pipe Register (Black) with White Ceiling Plate.

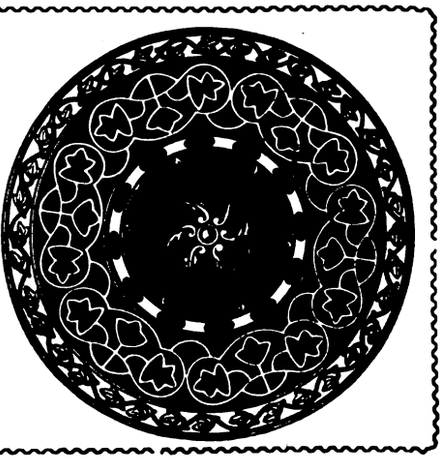
Indian Design Patented.

Showing Removable Cap for use when Smoke Pipe is taken down.

Please write for "BLUE BOOK FOR THE REGISTER TRADE."

Registers made of Ferrosteel are noted for Strength, High Finish and Excellent Workmanship.

The Ferrosteel Co., CLEVELAND, OHIO



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Are You Interested



Price, $30.

In your cash receipts? Are you inclined to increase your profits?

It is safe to assume that every sane business man is; therefore, let us send you circular describing our Star Cash Register, a handsome and durable machine that will register any sum from one cent to ten dollars, and enable you to keep a record of each sale that can be relied upon as being absolutely correct.

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RELIANCE REGISTER WORKS,
Mulberry and Chestnut Sts., NEWARK, N. J.

THE "Norton"



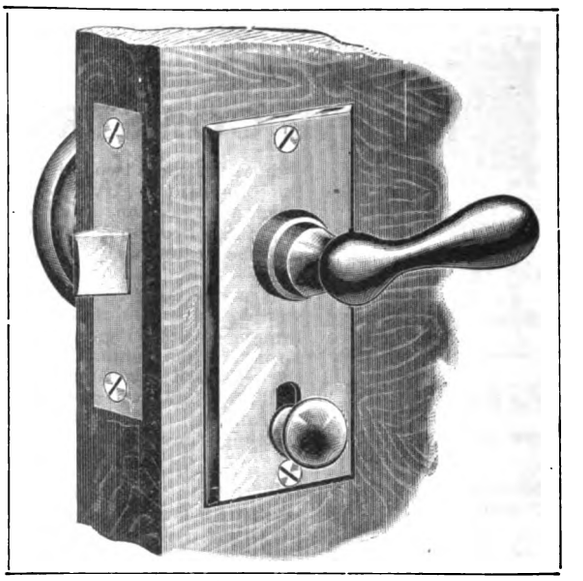
An Air Check.

A Good Seller.

DOOR-CHECK and Spring.

WRITE FOR PRICES.

Address 505 SEARS BUILDING, BOSTON, MASS.



No. 97½ P—Screen Door Latch with Stop.

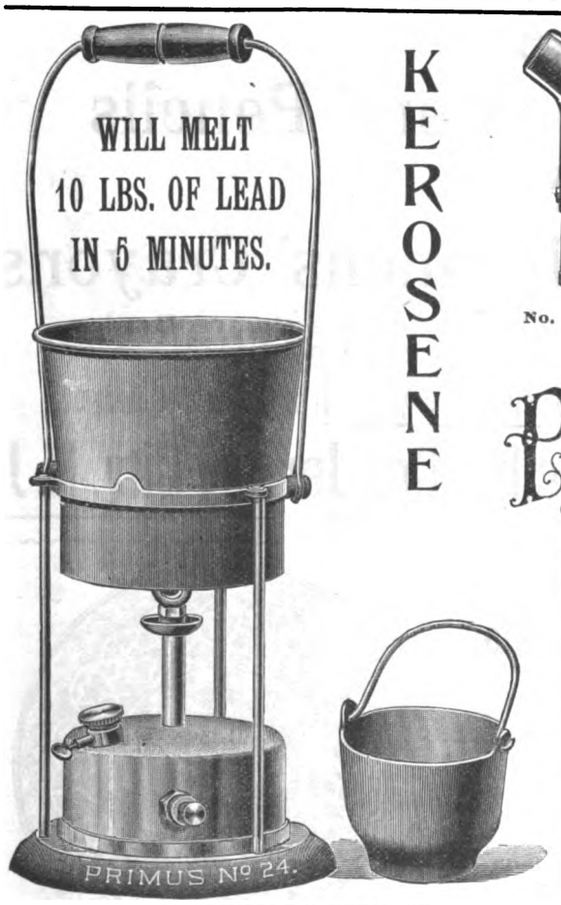
NORWALK LOCK CO.,

Manufacturers of **Builders' Hardware,**

Factory and General Offices,
SOUTH NORWALK, CONN.

SALESROOMS:

NEW YORK, 80 Chambers St., or 94 Chambers St., (UNDERHILL, CLINCH & CO.)
BOSTON, 200 Franklin St. (CHAS. A. CUNNINGHAM.)
CHICAGO, 36 Dearborn St.
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No. 24 PLUMBERS' FURNACE.

KEROSENE



No. 40 BLOW TORCH.

PRIMUS

KEROSENE



No. 1 COOKING STOVE.

Positively Non-Explosive.

Burns any grade ***KEROSENE, without a wick, with a clear Blue Flame.***

Positively No Odor, No Smoke, No Soot.

THE MOST ECONOMICAL.

One Quart Kerosene Lasts Five Hours--Less than one-half Cent per Hour.

THE MOST POWERFUL.

The No. 1 Cooking Stove will Boil 1 Quart of Water in 4 Minutes.

Flame can be Regulated.

Primus Cooking and Heating Apparatus Co.,

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Manufacturers of the PRIMUS
Write for Descriptive Circulars and Prices.

Cooking Stoves, Plumbers' and Tinners' Furnaces, Giant Heating Apparatus, Painters' and Braziers' Torches, etc.

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Reading Hardware Co

Make the slickest line of Hardware for Window Screens and Screen Doors. : : : : : :

See our big Catalogue for 1897.

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FACTORIES, READING, PA.

"Happy Thought" Tack Puller.



Patented.

Made of polished steel. Will pull all size tacks, and the construction and shape makes it easy to pull the tack without breaking the heads off. The bottom hook which serves as the lever in drawing the tack is also convenient to lift the carpet from the floor. One trial will prove that the "Happy Thought" is the best. The price, 10 cents brings it in reach of all dealers. This is a fine seller, and we will send a sample to the trade on receipt of a two-cent stamp. For sale by all leading Hardware Manufactured by the

HIGGINS MANUFACTURING CO., 169 Pearl St, BOSTON, MASS.



ATHOL MACHINE CO.,

Athol, Mass., U. S. A.

Manufacturers of

Vises, Meat Choppers,
Mechanics' Fine Tools, &c.

Send For Catalogue.

Successors to Shepard Hardware Co. of Buffalo, N. Y.

In Blind, Shutter and Gate Hinges, Gate Latches, Frame Axle Pulleys, No. 25 Niagara, No. 26 Star, No. 30 IXL, No. 60 Square End, No. 35 Acme solid case with markers, and the Gem Machine Pulley from 1 3-4 in. to 2 1-2 in.

We also manufacture—

Stenger's Patent Self-Locking "Noiseless Blind Hinge," Christman's Shutter Lock and Bower, Furniture Casters, Shelf Brackets Plain and Rosette, Plumbers Brackets, Nickel Plated and Plain, Hay Fork Pulleys, Well Wheels, Grindstone Fixtures, Nail Hammers, Claw and Shingling Hatchets, Toy Hammers and Hatchets, Toy Sad Irons and Stands, Jackstones in Boxes or Bulk, &c.

WRITE FOR CATALOGUE AND PRICES

WRIGHTSVILLE HDWE. CO., Wrightsville, York Co Pa.



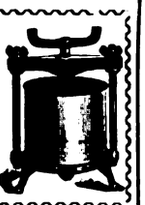
BRIGHTON FRUIT PRESS

IS THE BEST.

Strong and Substantial. Quick Acting.

TINNED ALL OVER.

LOGAN & STROBRIDGE IRON CO., New Brighton, Pa.



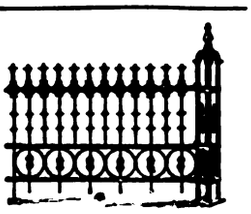
WE WANT AGENTS TO SELL OUR **IRON FENCE**

We furnish first-class work at prices that bring the trade. Write for Catalogues, Prices and Terms

The Stewart Iron Works,

CINCINNATI, O.

Manuf'rs of Iron Fence, Jails, Architectural and Ornamental Iron Work.



IRON FENCES OF ALL KINDS



SEND FOR CATALOGUE OF

Fire Escapes, Wire Fencing, Bank & Office Railings, Stable Fixtures, Roof Cresting, and all kinds of Wire and Iron Work.



Reservoir Vases.

Lawn and Park Settees, Fountains, Statuary, and Lawn Furniture of every description.

E. T. BARNUM,
Detroit, Mich.

Mention this paper. Agents wanted.

FAMILY GRINDSTONES.

Great Reduction in Prices.

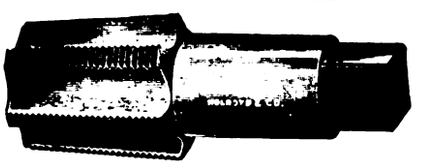
If you have not received our revised price list write for it.

The Cleveland Stone Co.,

Cleveland, O.

Hardware Dealers

Send us your address and we will mail Catalogue and discount sheet of STOCKS & DIES, TAPS, etc.



Holroyd & Co.,

Waterford, N. Y.

PLEASED with RESULTS.

John N. Hager, Fort Atkinson, Wis. [*Fork, Shovel, Rake and Hoe Brackets*]: Am well pleased with the results of my advertisement in HARDWARE.

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"EVERYTHING IS COMING UP."

BUSINESS IS BETTER AND THERE WILL BE A LARGER DEMAND THAN EVER FOR OUR

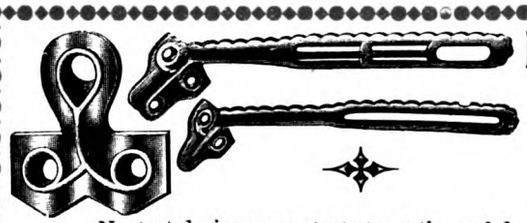
Sheep Skin Mitten.



Acknowledged to be the best article for polishing stoves, as it does away with the old time dirtiness of the work, making this work a pleasure. Also invaluable for polishing brass or glass, or silverware, which it does not scratch. For tan shoes and cleaning bicycles it has demonstrated itself a conspicuous success.

Diamond Hardware Co.,

624 Atlantic Ave., Boston, Mass.



PAIL EARS
SAUCEPAN HANDLES.

Neatest designs, greatest strength, and finest finish of any made. Large stock of all sizes constantly on hand and all orders filled promptly. By the gross, package or in bulk as desired. . . .

Send for Catalogue.

BERGER BROS.,
PHILADELPHIA, PA.

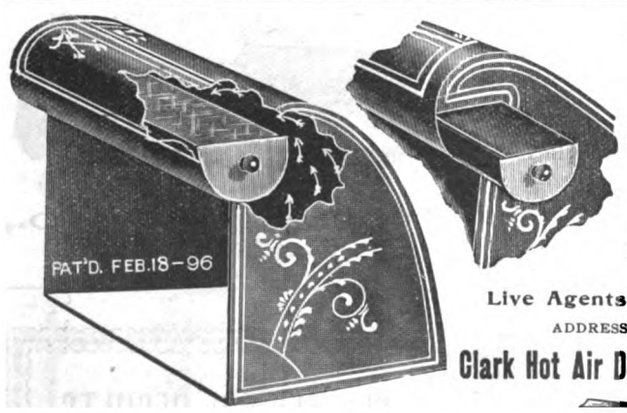


We can furnish you with
Staple Goods.

Such as Wire Nails Fence Staples, Plain and Galvanized Smooth Wire, Painted and Galvanized Barbed Wire.

THE SALEM WIRE NAIL CO., Salem, Ohio.

New York Office, 277 Broadway.



No more black on your walls.
No more dust in your rooms.

USE

Clark's
Steam and Hot Air
Register Bonnets.

Patented Feb. 18, 1896.

All others are infringements.

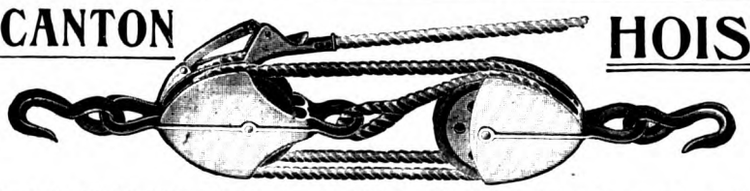
1900 Sold in Akron, Ohio in three months.

Live Agents Wanted in Every City

ADDRESS

Clark Hot Air Deflector Co.,
Akron, Ohio.

The CANTON HOIST



Can be used perpendicularly, horizontally, and at any angle. . . .

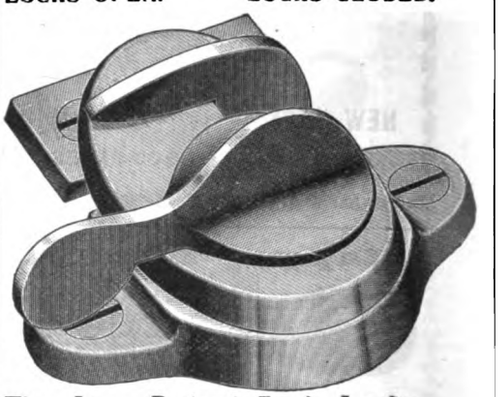
In factories of all kinds, foundries, quarries, mills and warehouses; also by contractors, carpenters, stone masons and all classes of mechanics. Manufactured by

THE NEY MFG. CO., CANTON, OHIO.

New Stamped Metal
Sash Lock,

In Cold Rolled Steel, Bronze and Brass. In all the Popular Finishes.

LOCKS OPEN. LOCKS CLOSED.



The Ives Patent Sash Locks,

Have acknowledged superiority for the complete manner in which they perform the work they are intended to do. . .

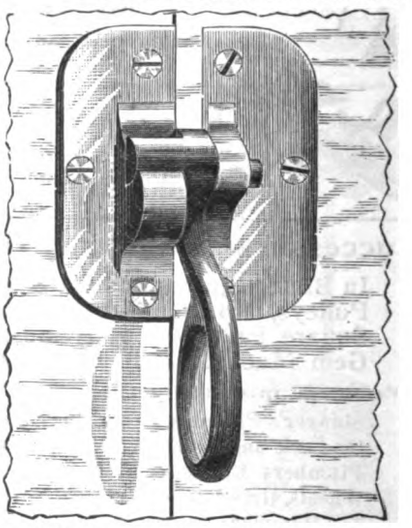
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MANUFACTURED BY

HOBART B. IVES & CO.,
New Haven, Conn.

The CONROY PATENT
Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

Beware of Infringements. Paschall, Phila.

COULD NOT KEEP HOUSE WITHOUT IT.

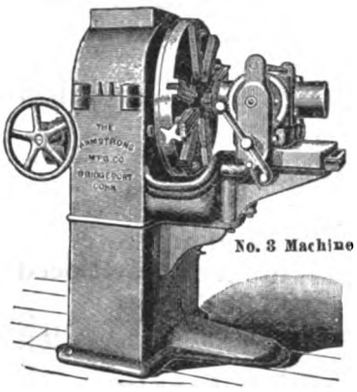
Sickels, Preston & Nutting Co., Davenport, Iowa. [*Wholesale Hardware*]: We would not know how to keep house without HARDWARE. The review of the Hardware markets, trade reports and editorials are frequently read before letters are opened that are received in the same mail with HARDWARE.

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Your Stock Is Not Complete

Without a line of

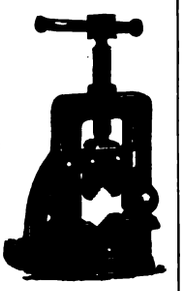
The "ARMSTRONG"



No. 3 Machine

PIPE THREADING & CUTTING OFF MACHINES, ADJUSTABLE STOCKS & DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—

THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE?



THE ARMSTRONG MFG. CO.,
Bridgeport, Conn.

——NEW YORK OFFICE: 139 CENTRE STREET.——



L. COES'

Genuine Improved

KNIFE HANDLE

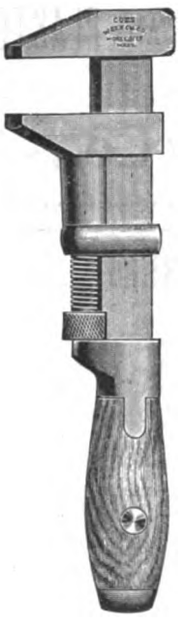
PATENT

Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.



Established in 1839. Registered April 9, 1896.

Patented Dec. 15 1891. Patented April 30, 1895.

Sectional View Illustrates our New Knife Handle, showing Manner of Construction.

☞ traight Bar, Extra Long Nut for Screw in Jaw. ☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.
JOHN H. GRAHAM & CO. } New York Agents.



S. Newhouse

Newhouse Steel Traps.

If you want to know all about STEEL TRAPS and how to catch fur-bearing animals send to

Oneida Community,

Limited,

KENWOOD, N. Y.

For Catalogue and Prices.

Do You Want Something Made?

My Specialty is to Manufacture for Other Parties.

Reasonable arrangements can be made. WRITE ME TO-DAY.

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Mfr. of Castings; Nickel and Brass Plating, Metal Pattern Maker, etc.

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The handsomest and most attractive can of varnish ever put on the market is being sold by the Glidden Varnish Co., of Cleveland, Ohio, who are one of the most enterprising and progressive varnish manufacturers in the country and the first varnish house to offer a high grade of varnish at an advertised low price, to be sold only in sealed cans, protecting the painter so that he may know that he is getting a standard grade of varnish, and just what it is going to cost him.

These varnishes are called M. P. Special Coach Varnish and M. P. Special Spar Varnish. The former is to be used on interior work and the latter on exterior work. The advantage of using both of these varnishes is that they can be left in the gloss finish or rubbed with either water or oil and pumice stone, giving much better results than the old-fashioned hard oil finish, as they produce a very elastic and durable finish and will not bloom. Both of these varnishes are put up in handsome cans with the label lithographed on the tin so that they cannot rust out or peel off, thus giving the dealer a can of varnish that will always look bright and nice, as the label can be washed off with soap and water and not be injured. These cans are also equipped with the new fulcrum cap and nozzle with inner seal, so that when the seal is broken the can has an air-tight cap, thus keeping the varnish in good condition and preventing evaporation.

Dealers should lose no time in putting in a stock of these varnishes, as they will sell on sight and they offer a liberal discount to the dealers, as they want them to act as distributing agents for both these specialties. The retail prices are as follows: M. P. Special Coach Varnish, in five-gallon cans, $1.25 per gal.; in one-gallon cans, $1.40 per gal. M. P. Special Spar Varnish, in one-gallon cans, $3.50 per gal.; in half-gallon cans, $1.90 each; in quart cans, $.95 each; in pint cans, $.50 each.

OHIO METAL CO.,

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Awarded the Medal at Atlanta Exposition

Incorrodible Steel Hitching Post, ornamental and lasts a lifetime.

Automatically takes up slack of chain.

Freedom and comfort for animal. Safety and security for owner.

Ready Sellers.

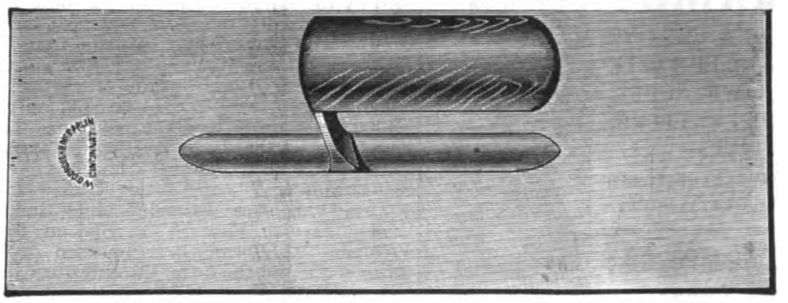
Write for prices and secure exclusive agency for your city.

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Are Reliable.

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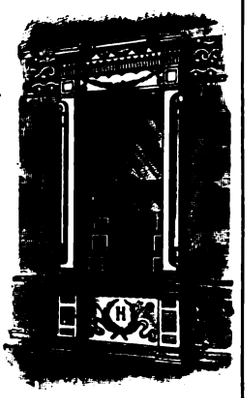
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Hartman's Patent Inside Sliding Blind.



It is the most popular Blind in America; more convenient, 25 per cent. cheaper than the hinged blind, and will last double the length of time. The only blind that gives universal satisfaction. Tens of thousands are in use. Architects are specifying them on their merits. . . . . .

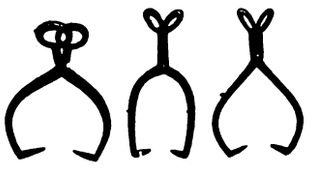
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Hartman's Patent Weighted Sliding Blinds are perfection themselves. Everybody is delighted with them. . . . . .

Hartman's System of Window and Door Screens is very superior. . . . . .

Send 6c. in stamps for new 100-page illustrated catalogue, or send for free circular. Address . . .

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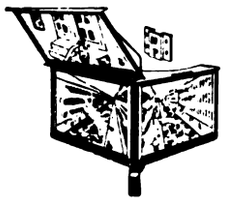
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Axes, Chisels, Hand Saws, Scales,
And all varieties of
ICE TOOLS FOR SUMMER USE.



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MANUFACTURERS OF
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100 Massachusetts Ave., - ARLINGTON, MASS.

Send for 1897 Illustrated Summer Circular.



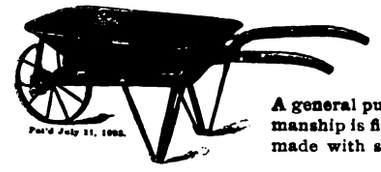
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To see up and down the street, eight to ten blocks, and who's on the door step.

THE BEST MADE, "THE PERFECTION."
. . . Write for prices, etc. . . .

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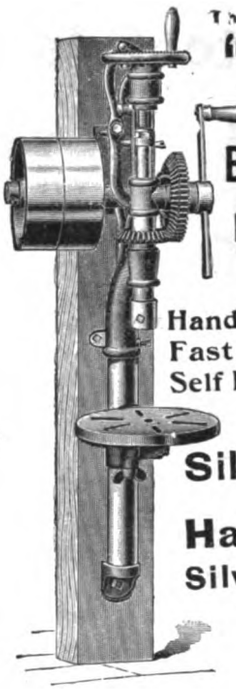
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For Coal, Ashes, Cinders, etc.

A general purpose barrow. Capacity of tray, 4 cubic feet. The workmanship is first class in every respect; all riveted together. But wheels made with self-oiling boxes. Make your orders now for 1897.

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Hand or Power
Fast or Slow Speed
Self Feed

ALSO . . .

Silver's OLD LINE Hand Drills.

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Cut Gears, Lever Feed, 19 inch Swing.

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The last two drills are supplied with counter-shafts, and are suited for new work or repairs.

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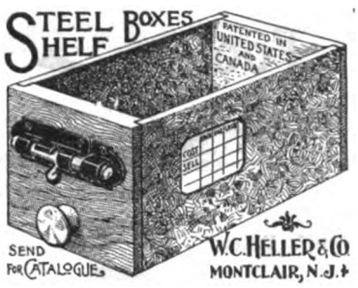
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For Christmas "ERIE" ALUMINUM, The Finest Ware.
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The Steel used in these Files is manufactured by our own steel works. They are cut by skilled mechanics on our own improved machinery, hardened by a special process which insures an even temper.

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We Guarantee the quality of our Files to be equal to that of our Saws. . . . . .

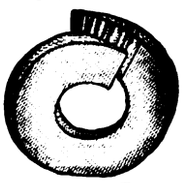
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Never sticks the Throttle.
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TRUCKS OF ALL KINDS.
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MACHINIST.
Corner Exchange and Water Streets,
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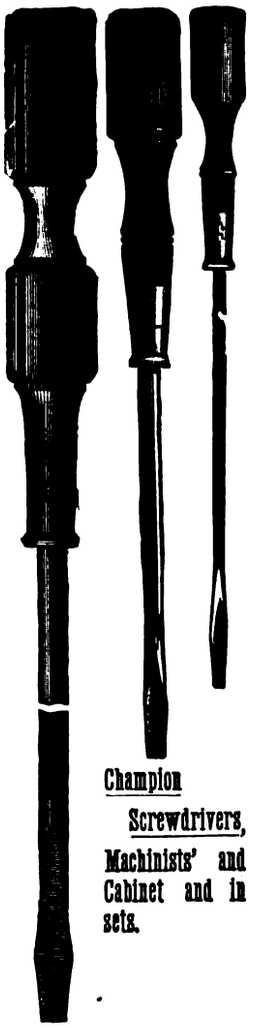
General Machine Work, Molds for Bicycle Tires, Air Goods, Druggists' Sundries, Matrices for Hard Rubber Goods, Die Sinking, Hydraulic Presses, Special Machinery, etc. Estimates cheerfully given. Correspondence solicited. Work promptly done.

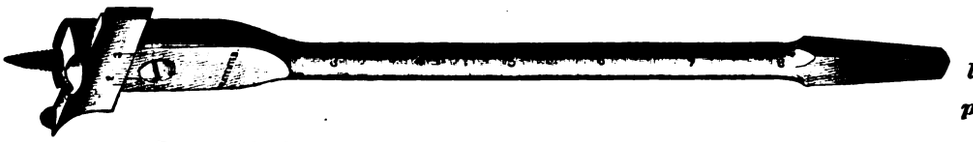
Rubber Machinery



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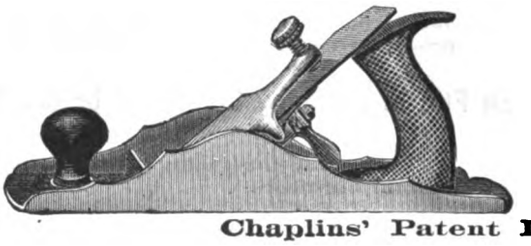
Carpenters and Machinists' Tools.





No loose parts.

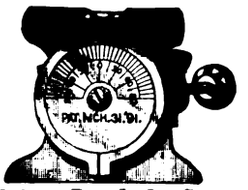
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





Corrugated Face.

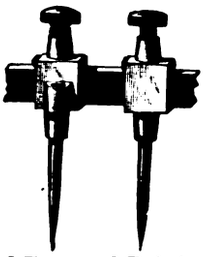
Chaplins' Patent Iron Planes.



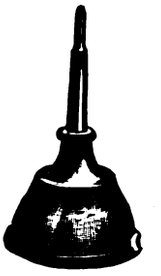
Unique Levels for Sqr.



Plumb Bobs and Trammel Points.





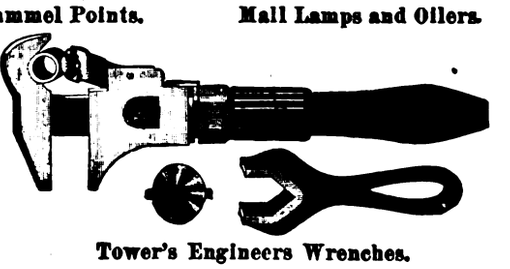


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Champion Screwdrivers, Machinists' and Cabinet and in sets.



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TOWER & LYON,

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Manufacturers Padlocks, Police Goods, Etc.

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UNION HARDWARE CO.'S RACING SKATE,

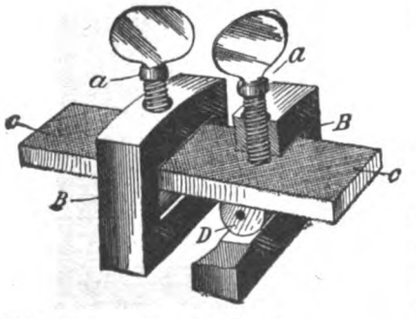
CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.



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A New and Useful Article

Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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MORRILL'S Perfect Saw Sets.

BENCH STOPS.

UNIVERSAL PUNCHES.

TRADE MARK

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CUTTING NIPPERS.

This Trade Mark is stamped on all Saw Sets and other Hardware Specialties of my make.

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ATKINS' TUTTLE TOOTH CAST STEEL WARRANTED INDIANAPOLIS, IND.

Indianapolis, Ind.

MFRS. OF

CIRCULAR, BAND, CROSS-CUT AND HAND

SAWS.

THE ORIGINAL

TUTTLE TOOTH.

The best saw in the world for the money. Fine Steel. Patent Temper. Why not supply your trade with the best saws, and buy the Atkins Brands? They're the best.

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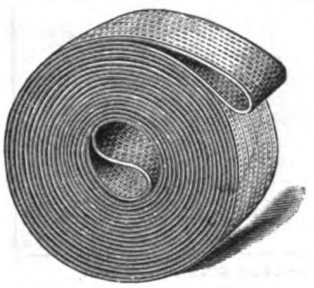
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ATKINS' BRAND

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TRADE MARKS:

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"Universal" THRESHER AND MILL BELTS.

Endless Belts of all lengths in stock.

CURTIS MACHINE CO.,

MILAN, OHIO.

A New Departure.



Hot Water Heater, combining Hot Water for Domestic purpose. With six (6) of our special manifolds, one man will cut and threa i pipe and set up one in ten hours. Cheapest and best on earth.

Send for Catalogue. Agents Wanted.

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ESTABLISHED 1835.

JOHN CHATILLON & SONS,

Sole Agents:
FOSTER BROS. CO., Butchers' Knives and Tools.
PHOENIX KNIFE CO., Pocket Knives, &c.
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Manufacturers of

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Price Lists sent on application.



Barnes' Little Giant Truck.

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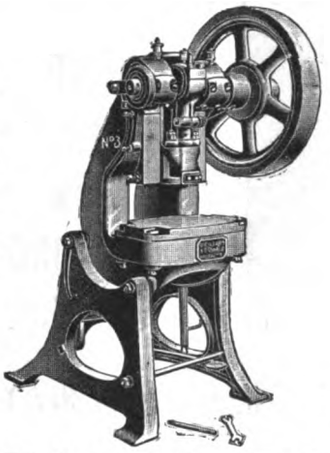
Made of malleable iron. Can be used for more purposes than any truck ever made, and is sold at a low price. Every family should have one. We also manufacture a complete line of high grade Iron and Brass Hand and Wind Mill Pumps and Cylinders, Cast Iron Sinks, etc. Send for Circulars, Catalogue and Prices. . . .

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DUNBAR BROTHERS
STEEL (OIL TEMPERED) SPRINGS
ALL KINDS OF SMALL SPRINGS MADE FROM
SHEET STEEL STEEL BRASS WIRE
BRISTOL CONN. P.O. BOX 416

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Manufacturers of

PRESSES AND DIES AND SPECIAL MACHINERY

FOR THE WORKING OF SHEET METAL

Dies for Sheet Steel Stampings a Specialty.

708-710 Jamaica Avenue, BROOKLYN, N. Y., U. S. A.

WRITE FOR PRICES.

STOP



Did you ever see the like?

Seven men on one ladder—and it a small Step Ladder too—and it would carry as many more if they could get on it.

You know it keeps the old style Step Ladder busy to carry one good sized man or woman without breaking down; and they last but a year or two at best. . . . . .

This Step Ladder Will Carry All You Want to Put On It,

and will last a lifetime if you treat it half decent. . . . . .

There is but One Step Ladder made for mechanics, and

THIS IS THE ONE.

We manufacture

Single Ladders, Extension Ladders,
Single Bent Rung Step Ladders,

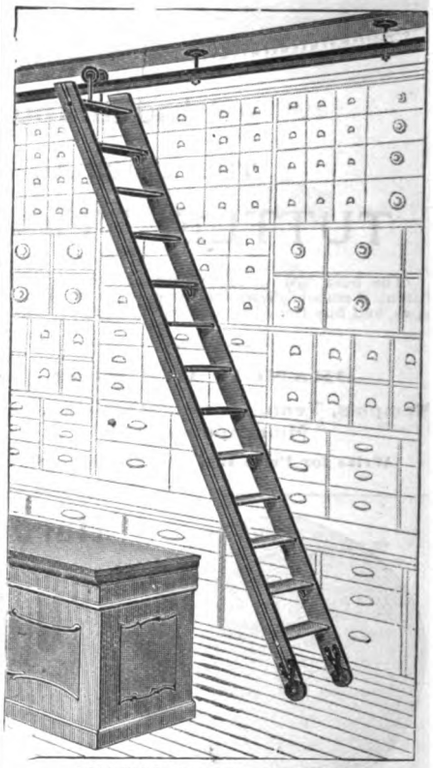
Which are all covered by patents.

No person else manufactures them but us. Write for Prices and Discounts.

Indiana Ladder Company, Indiana, Pa., U.S.A.

The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

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H. N. YOUNGS, 40 Wall St., Bridgeport, Conn., New England Agent.

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You catch fish, while with others you might. Made in every suitable size and pattern known to modern anglers for



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Casting,
and **Still Fishing.**

All enterprising dealers sell it. If not, address



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Valve and Plunger Leathers.

. . Special Valves to Order . .

Special Leather Washers.

Tubular Well Cups. Iron and Brass Cylinder Cups.
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Special Cups to Order.

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Columbian Steam Rollers, Horse and Land Rollers, Saw Mills, Vertical and Horizontal Engines and Boilers, Feed Grinders, etc. . . . . .

Steam Plants with ornamental fronts for boilers. Furnaces for running factories, heating hotels and business houses.

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Measuring Faucet.


Tobacco Cutter.

We Make Faucets

That measure a pint, a quart or a gallon accurately. A Barrel Drainer that adjusts automatically to fit in the bunghole. No bung borers needed and no molasses wasted. Coffee, Spice and Drug Mills that grind as you like it. Draw Cut Tobacco Cutters that do not squeeze through, but cut with ease. Our goods are second to none. All are fully warranted. Send for Catalogue to

NATIONAL SPECIALTY MFG. CO.

Lehigh Ave. and Third St. - PHILADELPHIA, PA.

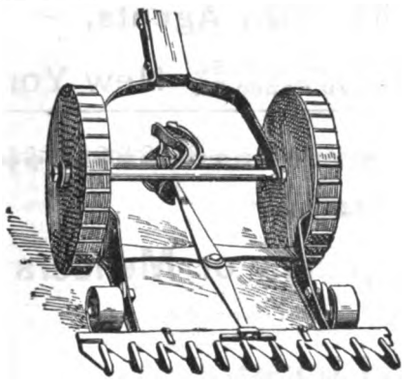


No. 3 Mill.



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THE CLIPPER OUR IMPROVED LAWN MOWER.



Light, more **durable and less liable** to get out of order than those now in general use. Nothing escapes the grasp of the Pioneer, weeds, dandelions and plantains being cut as closely and evenly as grass. Only requires the same power to cut grass two feet high as it would to cut two inches, and cuts more closely in the mowing of irregular surfaces and spaces, such as between posts of fences, walks and shrubbery. The Clipper Mower is not analogous to other lawn mowers, as it does not roll down the grass preparatory to cutting it; the finger bars and fingers thereon of the mower, gather in the grass in nearly an upright position, and the vibration or reciprocating motion of the knives shears off the grass with uniformity. **There is no use for sickle or shears where the Clipper is used.** For descriptive Circulars and Prices address the makers.

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HORSESHOE MAGNET HAMMER.

—WARRANTED—



Fitted with long handles. A specialty for bill posters and traveling advertisers; also useful in other trades.

Superior to any magnetic tool heretofore made.

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1006 to 1014 East Tuscarawas St., CANTON, OHIO, U.S.A.

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FURNACE SHOVELS, (2 styles).	TREE PROTECTORS.	LAWN FOUNTAINS, (4 styles).
GARDEN RAKES, (2 styles).	VEGETABLE MASHERS.	MOP STICKS.
GARDEN TROWELS, (2 styles).	WEEDING HOOKS.	POST-HOLE DIGGERS, (8 styles.)
HAND CORN PLANTERS.	WEEDING HOES.	PRUNING SHEARS, (2 styles).
HOG RINGERS.	WIRE NAILS.	SAW SETS, (2 sizes).

ASHTABULA TOOL CO., Ashtabula, Ohio.

—MANUFACTURERS.—



ALL SIZES

Coke, Coal, Stone, Ballast, Potato, Beet, and Cotton Seed Forks. . . . .

UNDERHILL, CLINCH & CO.,

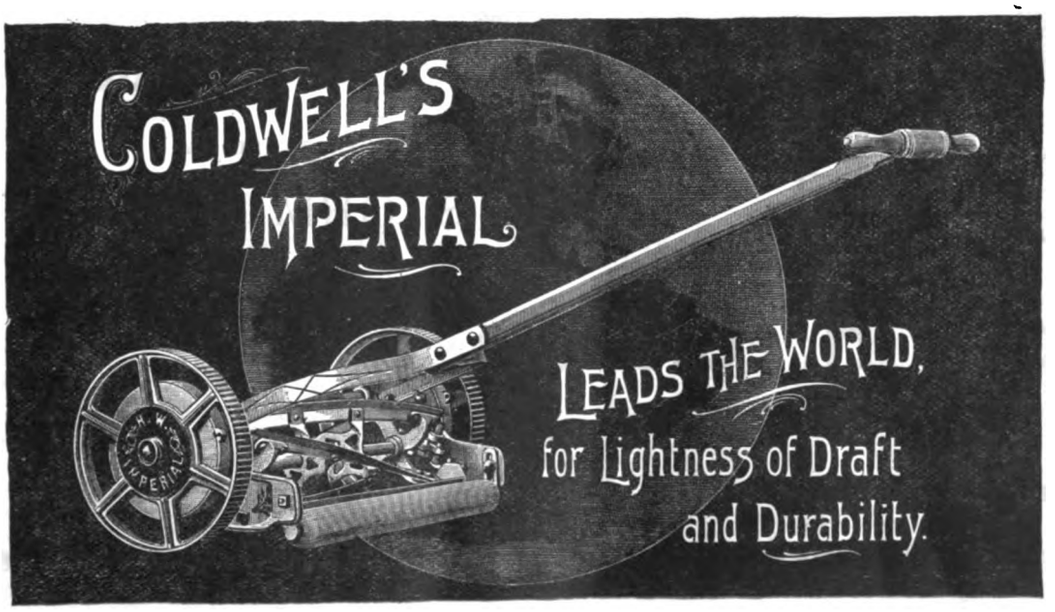
94 CHAMBERS STREET, NEW YORK.

We have on hand ready for delivery the largest stock in New York City of

Agricultural Tools.

Shovels, Hoes, Snaths, Spades, Rakes, Scythes, Lawn Mowers, Forks, &c., &c.

SEND FOR OUR SPRING CATALOGUE OF AGRICULTURAL TOOLS.



To the Trade:

We are offering for the Season of 1897 the Finest Line of **LAWN MOWERS** for both Hand and Horse Power ever placed on the Market. . . . . .

Send for our Catalogue and prices.

Coldwell Lawn Mower Co,

Newburgh, N. Y.

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The Best Equipped File Works in the World

Samuel W. Allerton, Prest. C. C. Clarke, Sec'y & Treas. A. Weed, Vice-Prest. & Gen. Manager.

The Arcade File Works

Established 1842.

WEED'S IMPROVED CUT — GUARANTEE SEAL — ALL FILES ARE FULLY GUARANTEED — SPECIAL TEMPER

Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 97 Chambers St. and 79 Reade St. New York.

The DANDY SINK CLEANER.

. . . A perfect and complete



Household Specialty.

A Sink Cleaner and Shovel Combined. . .

Tidy housekeepers will throw away the dirty sink broom and buy the Dandy Sink Cleaner on Sight. . . . . .

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

John W. Sudlow, 986 HALSEY STREET, BROOKLYN, N. Y.

DO YOU KNOW

"Simplex" Couplings or Menders

Hold better without bands than other makes with best band ever made? Push them into the hose and you cannot pull or force them out. . . . .

Electric Hose.

Handsome, durable and will stand all kinds of abuse, 500 feet in one length, on reel. Send for sample. . . . . .

KING & KNIGHT, 31 Wendell St., Boston, Mass.

SPECIAL SALE

For a short time only. In order to still further increase their sale and popularity, we will, for a limited period only, make a

BIG CUT IN PRICES IN THE CELEBRATED CANNON'S



DIAMOND POINT NAIL SETS.

Send to us for this special price now, and

REMEMBER

. . It is for a Short Time Only . .

MANUFACTURED BY

THE STORM MFG. CO.

John H. Graham & Co.,

Sole Selling Agents,

113 Chambers Street, - NEW YORK.

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ENTERPRISE

Cherry Stoners



No. 1, Japanned, $7.50 per doz.
No. 2, Tinned 9.00 per doz.



Tinned
No. 12, $12.00 per doz.

The Enterprise Mfg. Co. of Pa.
Philadelphia, Pa., U. S. A.

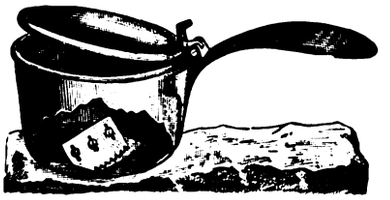
Branch Office and Warehouse
10 Warren Street, New York City

Our 1897 Catalogue
mailed free on application

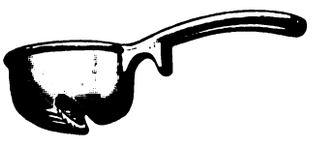
GOOD SELLERS DURING THE HOT WEATHER



Ice Shredders

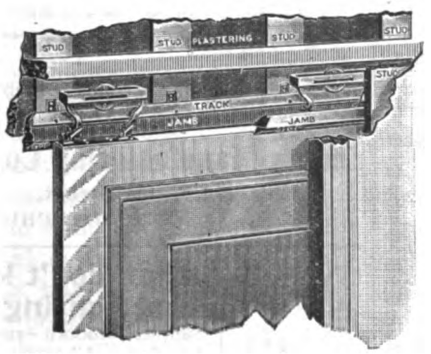


No. 33, Tinned $6.00 per doz.
No. 34, Nickeled, 15.00 per doz.



No. 23, Tinned $1.25 per doz.

Stearn's Steel Parlor Door Hanger



IS the result of a twenty-year search for a perfect hanger. The Stearn's Hanger is of the single track, anti-friction type; principal parts of steel; perfect alignment; noiseless; each hanger independently adjustable; arranged in one-third the time required by others.

"The threaded hole in the hanger is countersunk so as to insure an easy entrance of the adjusting screw."

E. C. Stearns & Co.,

Send for Circular and Price-List.

Syracuse, N. Y.

You take no risk on the quality. We make only the best!



Sand Papers in Reams and Rolls
- Flint Paper
- Garnet Paper
- Emery Paper
- Emery Cloth

HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & CO.

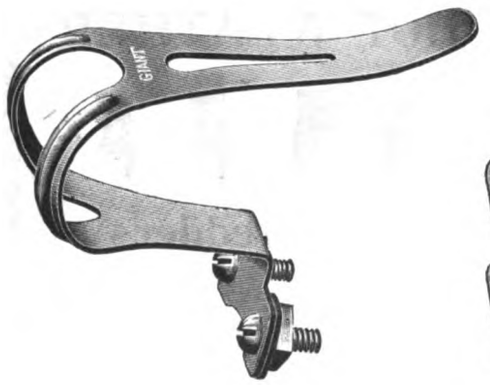
730 MARKET STREET, PHILADELPHIA.
67 BEEKMAN STREET, NEW YORK.
143 MILK STREET, BOSTON.
102 LAKE STREET, CHICAGO.

THE FINISHED STEEL CO
YOUNGSTOWN, OHIO
POLISHED SHAFTING

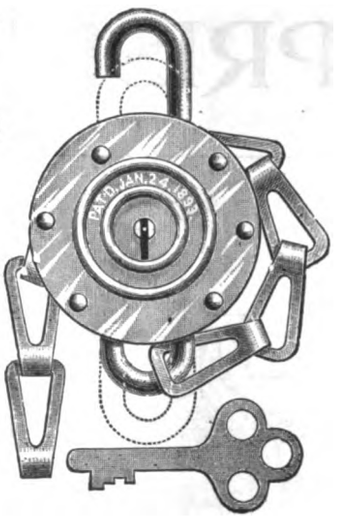
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DEALERS

Have no trouble in selling this line of Sundries.



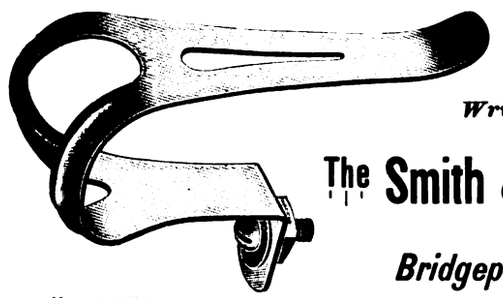
"GIANT" 2 Bolt Clip.



No. 12 Lock.



Sprocket Lock.

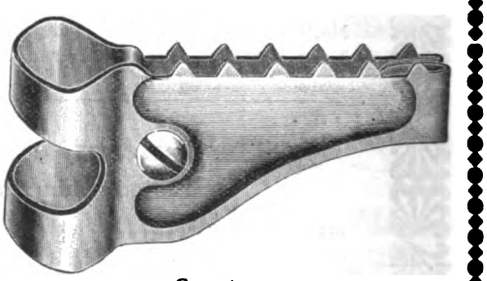


"GIANT" 1 Bolt Clip.

Write for prices to

The Smith & Egge Mfg. Co.,

Bridgeport, Conn., U. S. A.



Coaster.

STITCHED COTTON BELTING

FOR MACHINE DRIVING.



FOR THRESHER MACHINES.

Write for price list and discounts.

THE ROSSENDALE-REDDAWAY BELTING & HOSE CO., - NEWARK, N. J., U. S. A.
Manufacturers of all kinds of Belting and Linen Fire Hose.

In Our Line of Elevators & Hoists



We have a Hand Elevator especially adapted for use in stores, warehouses, etc., and we are sole manufacturers of

The Philadelphia Dumbwaiter.

Send for catalogue. . .

Energy Manufacturing Co.,
411 Cherry Street,
PHILADELPHIA, PA.

WAGON UMBRELLAS and BUGGY CANOPIES.

Everything in that line.
Our motto: **"Keep a-goin'."**
Especial attention invited to

Sprague's Patent Giant Frame Wagon Umbrella.

It is the Strongest Umbrella on the globe.
Write to us, and let us prove it.

SPRAGUE UMBRELLA CO.,
Norwalk, Ohio.



Dumb Waiters.....

that don't keep you waiting.

Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

BROWN BROTHERS & CO.,

59 Wall St., New York,

Buy and Sell Exchange and Cable Transfers on

SOUTH AFRICA

as well as on EUROPE and AUSTRALIA.

Issue Commercial and Travellers' Credits available in all parts of the World.

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ASTOR, LENOX AND TILDEN FOUNDATIONS.

HARDWARE

VOL. XV. MAY 25, 1897. NO. 4.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade. Published the 10th and 25th of each month, by the HARDWARE PUBLISHING CO., No. 143 CHAMBERS ST., NEW YORK.

BRANCH OFFICES: CHICAGO, - - - - - ASHLAND BLOCK.
BOSTON, - - No. 33 EQUITABLE BUILDING.
CINCINNATI, - - - No. 316 VINE STREET.

Subscription, $1.00 per year. Subscription, Foreign, $1.50 per year.

JAMES H. KENNEDY, - Editor and Manager.
HENRY HOPKINS, - - Associate Editor.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted to the Hardware Trade.

Editorial Trade Review.

While business continues on about the same lines of improvement that have characterized it for some time, it presents no features of great encouragement as to large sales.

Low prices, limited demand, and a moderate pressure to make sales have all had their due effect, and a longer season than usual of summer dulness is likely to be the result.

It would be a matter of little surprise if many factories closed down earlier than usual for the customary mid-summer clearing up and inspection of plant, with the determination to discount too largely the possibilities of a good fall trade and fail to prepare for it.

It is needless to state that disappointment at the limited amount of positive improvement in business since the change in administration, is entirely too prevalent. Too much was expected by our manufacturing interests, and the apathy shown in Washington by our representatives with reference to any commercial progress, has resulted in large vested interests being compelled to stand idly by, waiting for some evidence of the wisdom we are taught to look for in our national councils, but only to find that the selfish demands of trading politicians are blocking the way to a nation's prosperity. The tariff schedules which were "to be settled in a few weeks," have occupied the close attention of the legislators for several months without definite results, and the end of the uncertainty is not yet visible; it naturally follows that no safe speculations in reference to fall trade can be freely indulged in without a greater risk of probable loss than any one cares to entertain at the present stage of the game.

The general features of the markets are without special changes, wire and cut nails still holding their own, both as to a satisfactory demand and a price not too exorbitant. Heavy goods generally are subject to quotations favoring the buyer, especially when specifications can be placed at once, without too extended a delay in delivery. The floods in the South, as we learn from several reports, while diminishing sales through the sections of the country affected by them, have not made the apparent results in the gross volume of business show any diminution when compared with those of a year ago. If the special session of Congress would only accomplish the purpose for which it was convened it would give us a glimpse of blue sky, with a certainty of sunshine for some time.

Senatorial Amenities.

When one of our venerable Senators refers to the speech of another as "exuberant oratory," and another reflects upon his brother Senator by saying his methods betray "a sort of colossal cheek" if "it were not the height of audacity and impudence," the Lord help the commercial interests of our patiently waiting country.

When the Senate of the United States becomes a national arena for the display of unwholesome buncombe, and the bandying about of unadulterated slang, statesmanlike endeavors on the part of a few, to serve the country's interests, might as well be buried "in the deep bosom of an ocean" of uncertainty.

When the adoption of a tariff foundation on which to ground four years at least of some kind of solid prosperity, receives such ill-advised consideration, and uncalled-for delay, the country may well stand appalled at the "audacity and impudence" displayed by the Senatorial seignors.

Why will they not understand that the commercial prosperity of the entire country is simply holding itself together waiting for a certain and confident foothold before it, before any definite steps can be taken that will ensure a future free from anxiety and discontent?

Especial attention is invited to several communications elsewhere in this issue, from gentlemen who are entirely competent to discuss intelligently, and out of their personal knowledge, the themes of which they treat. These gentlemen are among the leading Hardware manufacturers of the country, and the establishments which they represent are counted among the most extensive employers of labor to be found in any line of business. Their dissection of the illy-considered declarations of Bishop Potter are keen and clear, and the facts which they bring forward in proof of the positions they take, cannot be denied. Long years of connection with the manufacturing business in the em ployment of labor, have taught them a great many things which the clergy have not yet learned, and, while they discuss the various questions in a calm and temperate tone, they have left the Bishop, and such as view the labor question from his standpoint, with nothing to stand upon. It is with pleasure that *Hardware* adds this contribution to the current discussion of one of the great questions of the day.

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Publicity Pictures.*

BY NATH'L C. FOWLER, JR., DOCTOR OF PUBLICITY.

This is the age of pictures.

Ninety per cent. of all advertising is from twenty-five to fifty per cent. illustrated.

Modern progression and common sense suggest an appeal to the eye and the mind collectively.

The eye sees a picture.

The mind reads the text.

The reader absorbs a part of the illustrated advertisement unconsciously, and without effort.

He cannot appreciate or digest the text of an advertisement without some mental exertion.

The advertisement of both picture and text reaches everybody who sees it.

The advertisement of text only reaches only those who read it.

It is obvious that the illustrated advertisement, if it is properly illustrated, is more effective and better than the advertisement of text only.

The advertisement poorly illustrated defeats itself, and does harm to the advertiser.

No illustration should ever be made unless it illustrates something.

The technical picture should never appear in the untechnical advertisement, nor should it ever be put before the public at large.

The picture must be adapted to the seer of it, not to the maker of the article it illustrates.

The picture of a shoe tells the shoe-seller what it is, but unless it be well printed in the newspaper, and of large size, it does not show the value of the shoe to the shoe-wearer.

The picture of a furnace stands for all furnaces to the furnace user.

The technical picture should be in the catalogue, if the catalogue goes to the trade, but if it does not go to the trade the picture should be not more than half-technical, and must be generally illustrative.

A good head-line, if in large type and of great brevity, is really an illustration, and many advertisers prefer it to a picture, because the right kind of a head-line is not misleading, and is instantly absorbed by the reader, while a picture, and even a good one, may illustrate something which the advertiser does not care to bring out prominently. The public can sometimes misunderstand a picture, but it is not likely to misunderstand a brief head-line or short text.

It would seem that the Golden Rule of advertising is to use illustrations only when they illustrate, and to use strong head-lines, with or without illustrations, and to use illustrations a part of the time, and large type head-lines the rest of the time.

New England Dinner.

The regular monthly meeting of the New England Hardware Dealers' Association was held at the United States Hotel, Boston, on Wednesday evening, May 12th. After the meeting of the executive committee, dinner was served. Covers were laid for seventy, which shows the good feeling among the Hardware dealers of New England. The dinner was enlivened by music from Gerrish's Mandolin, Harp and Guitar Club. They received many encores for the many choice selections of music. After the dinner the business meeting was opened. The principal topic was the time and place for the June meeting. It was voted that a committee of three be appointed to select some place at the seashore for an outing, and that the ladies be invited. Much regret was expressed that the president was detained by sickness.

*Copyright, 1897, by Nath'l C. Fowler, Jr.

The Fire Ball Cycle Lamp.

The Cycle Danger Signal Co., No. 107 Chambers Street, New York, are placing upon the market the present season a new bicycle lamp, which, from its shape and great radiation of illumination, has been denominated by the manufacturers "The Fire Ball." It possesses an originality in points of construction that makes its appearance unique among the numerous bicycle lanterns already before the trade.

It is simplicity itself, apparently nothing to get out of order; no reflector necessary; no lens or oil well to be looked after, the lamp being virtually in one piece.

It is highly polished and nickel-plated, has a large white jewel in front, a smaller red one in the rear, and small green ones on either side, so that it can be seen from every direction; it will hold a sufficient quantity of signal or other oil having a medium body, to last ten hours, and cannot readily be blown out. The light from The Fire Ball is so concentrated, that while it is visible a great distance, it lights up the path sufficiently without any great glare on the road. It can be fastened on either the front or rear forks of the wheel, and is sold at the popular price of $2.00 each.

Being a Bishop.

Editor Hardware: This discussion of Bishop Potter and the laboring men, reminds me of one or two things.

An Irishman was toiling, bareheaded, at a windlass, under the scorching sun. A Catholic father rode by and said to him:

"Put on your hat, Patrick. You'll bake your brains in this sun."

The worker looked up at him, and said: "Do you think I would be doing this for a dollar and a half a day, *if I had any brains?*"

Two other Irishmen were delving in a ditch. Said Murphy, "Terence, if you had yez choice in this sinful world, what would yez be?"

Terence mopped his brow, and considered. "Well, for a nice, clane, well-paid, azy job, *I'd be a bishop.*"

Perhaps some of the workingmen of whom he speaks, would trade jobs with my esteemed friend Potter.

A. N. OLDMAN.

Elected to the Club.

At a meeting of the board of governors of the Hardware Club of New York, held on May 13th, the following gentlemen were unanimously elected to membership in the Club:

Madison B. Hawke, No. 261 Broadway.

Stetson Leach, No. 218 Broadway.

Chester R. Hoag, Whitehead & Hoag Co., Newark, N. J.

Albert L. Suesman, Postal Telegraph Building.

C. C. Miller, Peerless Rubber Mfg. Co., No. 16 Warren Street.

Charles H. MacDonald, Dennison Mfg. Co., No. 198 Broadway.

The Boston *Herald* thinks that a mosquito would make a good advertiser because it is not satisfied with one insertion. A friend suggests that it would make a better collector, because it presents its bill before doing the job. Now let others tell what the mosquito is good for.—*Exchange.*

He would please a saloon-keeper, being always willing to get full.

Peter McCartee, president of the Hardware Club of New York, and vice-president of the Stanley Works, was confined to his home in Brooklyn for a number of days, with an attack of lumbago. The club rooms seemed lonesome about the noon hour, without Mr. McCartee's presence.

HARDWARE'S "Prices Current" are reliable.

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MANUFACTURERS ANSWER THE BISHOP.

At the annual supper of "The Church Association for the Advancement of the Interests of Labor," given recently at No. 23 St. Mark's Place, New York, Bishop Potter said among other things: "The great causes of the general ill-feeling and uneasiness among the laboring classes in the United States to-day may be divided into two classes—machinery and the manner in which the capitalist looks down upon the men who labor for him. Chief of these two is machinery. It is doing away with intelligence in labor. It is turning the laboring man into a simple idiot. Not long ago I visited a large factory in this State and was much impressed with what I saw. The owner proudly showed me around pointing out the manner in which labor was simplified. I saw a young man sitting before some sort of a large hammer. He sat with his legs crossed and all his work consisted in shoving into an opening in the machinery a small piece of iron. He would turn the metal two or three times, throw it into a large box, and take another piece. That was this man's work day after day, week after week. No wonder that at night-time he drank, gambled, and fought. He had to; otherwise he would go mad. How many of us would stand this and not cry out? Not one of us but would become a striker. Myself among the first.

"The master of to-day looks down upon his men. He treats them as though they had no souls. They never get a chance to rise. Daily they drift further apart. In former days the owner of a large establishment took an interest in his servants. He knew every one by name, and promoted and helped them. To-day nothing like that exists. Few owners know any of their employees even by sight. Employers are constantly on the lookout for new inventions which will save money and throw out of work as many men as possible. The laboring men must be looked after if trouble is to be averted. They must make the capitalist respect their rights. Let them stand on their feet and use their voices.

"This association is looked upon as a dangerous and revolutionary one, because it tends to unite the Church with the laboring man in his great struggle. Say what they will against it, but I for one announce that from to-day on the Church of God is with the laborer."

Col. Albert A Pope, President Pope Mfg. Co.

Editor Hardware: My attention has just been called to the following extract from a speech recently delivered by Bishop Potter before the Church Association for the Advancement of the Interests of Labor:

"I saw a young man sitting before some sort of a large hammer. He sat with his legs crossed, and all his work consisted in shoving into an opening in the machinery a small piece of iron. He would turn the metal two or three times, throw it into a large box, and take another piece. That was this man's work day after day, week after week. No wonder that at night-time he drank, gambled, and fought. He had to; otherwise he would go mad. How many of us would stand this and not cry out? Not one of us but would become a striker. Myself among the first."

If his words are correctly quoted, instead of helping the laboring man, the Bishop is, in my judgment, doing a great harm by widening the breach between labor and capital. The fact that the Bishop could not do this same work without complaining and crying out, is not a logical reason for the young man's striking. He probably did this work because he could earn more than at anything else. The drudgery must be done, and the lowest order of workmen are, quite naturally, obliged to do the most menial work. Oftentimes men of education do work as monotonous and hum-drum as the daily labor of this young man who tended the piece of machinery. The ledger clerk does nothing but post figures from one book to another, and then compute them. It is the same process day after day, month after month. Many things which successful men could not undertake without protest, are willingly done by those whose condition in life has limited their sphere of usefulness.

This young man who tended the machine is not obliged to stay there all his life; if he has the right kind of fibre in his make-up, he can develop and rise to better and larger things. It not infrequently happens that the man who has gone through a period of monotonous work in the beginning of his career, ends by becoming the head of the great establishment. I may be pardoned, perhaps, for saying that as a boy I, myself, worked under the sidewalk in a dark hole stirring up barrels of varnish. It was monotonous and exceedingly tiresome, but I took it as a part of my early work, and I do not know that any harm has ever come from it.

It is too broad a statement to assert that "the master of to-day looks down on his men." That may be true in some cases, but the condition of the working classes is better now than ever before. Many of them own homes of their own. I have the highest respect for Bishop Potter in his endeavor to assist the laborers, and I, myself, have a sincere desire to benefit and elevate those who earn their daily bread by the sweat of the brow.

Before the good Bishop continues to talk in this strain, I wish he would pay a visit to our factories, and see the manner in which we care for the men there. Everyone in our employ has an opportunity to advance; he is encouraged to learn, and there are but few among the 3000 employes who do the monotonous work to which the Bishop refers. We try to make thinkers of our men, and thus raise the standard as high as possible. We cannot, it is true, do away with routine work entirely, and the best means it can serve is as a stepping stone for something higher. For some of our monotonous work skilled men are required; especially is this true in the various inspections which the bicycle receives during its process of construction and after it has been assembled into a complete machine. We could not afford to do without these inspections and run the risk of selling to our customers an imperfect machine, nor would the public be satisfied with that way of doing business.

It used to be inferred that the multiplication of inventions and the perfection of machinery lessened the number of employees, but experience shows that the greater the number of inventions, the higher is the rate of wages and the larger number of men employed. Does not the Bishop know that in the factories where there is the most machinery, there the wages are highest? Does he take into consideration the fact that in the old countries of Europe, where there is little or no machinery, and where most of the work is done by hand, the condition of the working man is far worse than in the countries where there is modern machinery?

It may be that Bishop Potter, like many highly educated and cultured gentlemen, fails to see and properly analyze the practical side of business life. I do not for a

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moment question his motive. He is anxious, as many others are, to raise the standard of the working men, to make them more contented and better citizens, and for this no one is more desirous than the writer of this criticism.

Boston, May 15, 1897. ALBERT A. POPE.

E. B. Pike, President Pike Mfg. Co.

To the Editor of Hardware: Referring to the position taken by Bishop Potter, in his speech at the annual supper of the Church Association for the Advancement of the Interests of Labor, I beg to say that from my experience as a manufacturer and employer, and my acquaintance with other manufacturers, I am sure the worthy Bishop is very greatly mistaken. I do not understand why the clergy of the country so almost universally misunderstand the feeling that exists among the general line of employers towards the employes. Almost all the men whom I have known, who have been at the head of large establishments, have studied the welfare and best interests of their employes; in fact, have regarded their interests more carefully than the employes have themselves. They put much thought and expense into arranging the factories, tenements, and houses so they will be clean and in good sanitary condition. They try to induce the men in their employ to save some portion of their earnings against a time of need, and many concerns arrange so that their employes can be taken care of when sick, either at a hospital or at home, and quite a good many have an insurance whereby the workmen can draw a certain amount of money during sickness. Very few employers will discharge their men who have families, when so doing would cause them distress, but rather will bear with them, often beyond the point where patience is a virtue, while a majority of the employes will leave an employer without giving any notice or taking into account how much inconvenience or trouble their action will cause.

A very large proportion of the heads of establishments have risen from the ranks of workmen, where they have had all the experience and know all the hardships. Almost every manufacturing establishment is arranged for the best light, air, and comfort that can be had with the accomplishment of the work to be done there. In the manufacture of iron there must be heat, noise and dust, but I doubt not that the young man whom the worthy Bishop speaks of "sitting before a large hammer, with his legs crossed, simply shoving into an opening in the machine a small piece of iron" was a skilled workman who had to use careful judgment in handling the iron and who received liberal pay, and he undoubtedly would have found it harder task to have spent two hours studying in the Bishop's library than to spend a week at his own work.

I will give you a little idea of how our company treats its employes, and I know that there are many other firms who are more liberal, as they have larger plants and are doing a larger business. If any of our men or their families are sick, we see that they are comfortably cared for, and have medical attendance until they are well. We never discharge a man with a family without giving him fair notice, and then we try to arrange it so it will be a good time for him to get employment elsewhere. Our tenements are kept clean, in good sanitary condition, with running water, and we have them thoroughly repaired twice a year. Our company supports religious services at our warehouse every Sunday afternoon and Wednesday evening. We make a present of five dollars to every new baby, and frequently at Thanksgiving or Christmas time we present each family with a turkey, and at Christmas time we usually remember all the children with some practical gift, and it generally includes the mothers and other members of the family. We watch over the men and try and keep them from using liquor, and do what we can to encourage them to save their money and be self-respecting. We are always ready to listen to them, and when they are in trouble, try to advise and help them, and I know this is the practice of many, many, other firms.

Of course it is not possible for any man with a great number of employes and a large amount of business that is crowding him to spend much time chatting or talking with his employes, or any one else. He generally is a very busy man. However, it is these busy heads of firms that the churches look to for their support. It is men like Carnegie and Rockefeller, and so on down to the man who employs a dozen men in a small country village, who are supporting the churches, building the colleges, and are always to be found at the head and front in every matter of public interest and general good, and if the clergy would try to do more to teach the employes to love and respect their leader—their employer—and be loyal to him and his interests, they would do much more for the advancement of the interests of labor than they can possibly do by trying to create dissatisfaction and hatred, as the majority of them are doing. The chief reason is that the clergy of the country are not practical men; they are book-worms, and are dealing with theories instead of experience. During the business depression of the last few years, while there has been much suffering among the laboring classes, there has been, in my opinion, a much larger percentage of suffering and death among the business men of the country who have been carrying such tremendous loads of care and anxiety. If the employes would have more sympathy and take a greater interest in the welfare of their employer, there would seldom be any strikes or cause for any. When the church uses its influence with the employes to be loyal to the interests of the employer, to be true in their work, and teaches them that the men who are conducting business enterprises are their friends and benefactors and not their enemies, then will come about a condition of things that will advance the interests of labor and of all. E. B. PIKE.

Pike Station, N. H., May 14, '97.

Henry R. Towne, President Yale & Towne Mfg. Co.

Editor Hardware: The statement of Bishop Potter that "machinery is doing away with intelligence in labor" is not confirmed by the experience of manufacturers. On the contrary, the character of machinery used is constantly becoming more complex, requiring higher intelligence in its operation, and even where this is not true, the class of labor employed, as in the case of the simpler machine processes, is that formerly utilized for the simplest, and often the roughest, kinds of hand labor. Surely there is no degradation involved in transferring a young man from digging pipe trenches, hoeing corn or shifting freight (all of these usually entailing exposure to the weather, irregular employment and great manual effort), to a modern factory to operate a machine, even if the work requires no great intelligence, but where the workman is under good sanitary conditions, sheltered and able to have regular employment. Neither can there be injury in transferring a woman from needlework, housework, nor even from the modern store to a well-organized, modern factory, (where the surroundings are now almost always thoroughly wholesome, and often even attractive), to tend light machinery, involving usually quickness of hand, but little strain or fatigue, and where intelligence in the operator is an essential factor in the output of the machine and hence affects the value of the labor and the rate of wages it commands.

Machinery has vastly cheapened the cost of every product, and above all else has made accessible to the masses, comforts and enjoyments which formerly were the privilege of the wealthy few. Machinery, moreover, is probably the chief factor in the steady progress of the world in the direction of wholesale communism. Where formerly men

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worked individually, they now work in organized bodies, with vastly increased productive power and higher average earnings. Those who have talent have larger opportunity in which to utilize it to advance themselves, while those who have lesser ability are enabled to work under better conditions and to secure better compensation than before.

Undoubtedly there still remains a vast amount of suffering in the world, but I believe that it is steadily diminishing, and that, in this country at least, it is confined chiefly to the classes who cannot find employment in occupations where machinery is largely used, as, for example, among the unskilled and ignorant masses, both male and female, in our larger cities.

Bishop Potter's argument, if sound, would imply that the farmer would be better off to revert to the scythe and abandon the mowing machine; that women should discard the sewing machine and return to the needle; and even that the stage coach is to be preferred to the railroad train. In brief, it would constitute a plea to reject the mechanical progress of the century and to retrace our steps until we had recovered the industrial conditions of a century ago. I share his regret at existing conditions which all deplore, but I dissent from his diagnosis of their cause and believe that the remedy he suggests would be far worse than the disease, and instead of curing would only intensify it.

HENRY R. TOWNE.

New York, May, 1897.

Hon. D. A. Dangler, President Dangler Stove & Mfg. Co.

Editor Hardware: My attention was recently called to an article in your valued paper, which referred to some remarks by Bishop Potter, at the annual supper of the Church Association for the Advancement of the Interests of Labor.

Among other things he states that the "causes of the general ill-feeling and uneasiness among laboring classes in the United States to-day, may be divided into two classes: machinery, and the manner in which the capitalist looks down upon the men who labor for him"; claiming that the "chief of these two is machinery," which he claims is "doing away with intelligence in labor, and is turning laboring men into simple idiots"; and then gives an example of what he had seen in a factory, in the case of a young man, with his legs crossed, and all his work consisted in shoving into the opening of the machine, a small piece of iron.

The Bishop's mind must have gone back to the period when an apprentice learned to make a tea-kettle, or a plow, or an ax, or any other piece of mechanism, from the raw material and finished it ready for the market. That period has long since passed, and instead of learning to make a tea-kettle or two, to do that same work and to find a market for it in competition with other countries, a different method had to be adopted to manufacture the article by a division of labor, passing through the hands of a number of mechanics, and in that way greatly reduced the cost as well as increased the production; and in the process of time and closer competition, it was found that some of this work could be simplified and greatly improved by machinery, and in this way the output of factories was largely increased, so that in place of reducing the number of operatives, they were steadily increased.

He also says that the "master to-day looks down upon his men; he treats them as though they had no souls, and they never get a chance to rise; daily they drift farther apart." Bishop Potter is either laboring under a misapprehension, or sadly ignorant of the facts as stated by him. As an old manufacturer, I know that as a rule, the majority of the manufacturers of this country have both souls and consciences, and are not indifferent to the rights of their employes, and know in many cases (and this is especially true during the last few years) that establishments have been run at a loss, simply to furnish employment to their men, saving them and their families from suffering. While it is true that manufacturers, as a rule, cannot personally know their employes, they do seek to find honorable, God-fearing and God-loving foremen for the heads of their different departments, and when attention is called to any grievances, they are thoroughly investigated, and in all cases justice is awarded to the right one.

It is to be deeply regretted that a man of the standing of Bishop Potter should allow himself to array labor against capital, which must necessarily lead to the most serious consequences. The fruits of such teaching have already brought many of the troubles of which he complains, upon the working classes. Such teaching, added to the walking delegates and the heads of the labor association, will do more to precipitate the very danger of which he speaks, viz: the introduction of machinery. No matter what the scale of wages that may be agreed upon between the employer and employe they rarely remain any length of time, soon become dissatisfied, feel that they must have an increase in their wages, when the condition of the trade makes it utterly impossible to conduct the business at a fair profit on the investment, and indeed often is a loss.

After an experience of an active business life of over fifty years, I am satisfied that as a rule capitalists in active business have not only souls but consciences, which direct them to do right and to be just, and that if the employes did their duty and did their work conscientiously, there would be no need of walking delegates or labor agitators; and in my judgment the greatest drawback for a revival of general prosperity, is the growing feeling of intensified hatred on the part of labor against capital. And it should be the duty of the church, and all good men, to aim to bring capital and labor together, instead of farther apart.

Cleveland, Ohio, May 15, 1897. D. A. DANGLER.

S. W. Allerton. President Allerton, Clarke Co.

Editor of Hardware: I have read Bishop Potter's address in the interest of labor. A fact is worth more than an assertion. The real question is: "Does the laboring man live better to-day than in 1840, the commencement of the era of great invention?" In my boyhood days, in 1844, it was an exception when a young man owned an overcoat, and shoes were luxuries. The poor lived on the coarsest, commonest food; wages were $9 per month on a farm for a strong, athletic young man. I think at that time the highest salary was paid by Erastus Corning to his confidential clerk, $2500; $300 per year was a large salary. Salaries and wages to-day are double what they were in 1844; the necessities of living, clothing and food, one-half. To me, the laboring man has been largely benefited by invention. I look upon the inventor as a public benefactor.

If, as a nation of free people, we are not competent to find employment for our labor, living in the richest country, in material wealth, in the world, it shows we are lacking in administering the affairs of this great nation.

A gentleman once told me that we have made too many improvements, and we have lived too fast. My reply was: "Have we too many school houses, too many houses, and too much comfort for the people of this country?" If we have, then inventions are a detriment to the American people.

I have always looked upon the man, who by industry and economy had accumulated capital and started some industry to give employment to people, as a public benefactor. We all know there has not been a boy born in the last fifty years in this country, had he started right, with self-denial, pluck and courage, economy, perseverance and morality, but could have had a competency.

Let us take a boy whose father is a railroad man, and he must commence life as a brakeman. Suppose he would resolve to save part of his wages, keep out of sa-

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loons and billiard halls, would spend his idle time in reading useful books and newspapers and think for himself, "I am a brakeman, I do not like it, but I will be the best brakeman on the road," could you keep this young man down?

Up to 1893, wages were good, and every young man could have saved money.

Bishop Potter says: "Every capitalist looks down upon labor." I do not think so. I believe most of them would like to pay good wages, because they all know that well-employed and well-paid labor means prosperity in this country.

I believe it is every man and woman's duty to try and lift up every man and woman they come in contact with, to higher manhood and womanhood. How can this be done? Teach them to save their money. When a man or woman gets $100, each has a silent teacher of industry, economy, temperance and morality.

If every church would open its doors to the poor, teach them to obey the laws of the land and God's laws—His laws design every man and woman to be ambitious for gain and knowledge; teach them that God has given everybody a spirit of charity and good will as a counterbalance to some sufferings; as a nation, we must be stingy for our own nation and for ourselves, or we would degenerate. Teach them self-denial, economy, industry, temperance and morality, and how to save a portion of their earnings and how to invest them, then they would get at the practical way of lifting up the masses, and making better men and better women.

The inventor is the great promoter of human progress, giving people a greater desire to enjoy the benefits of labor. There is extreme poverty in our country, brought about by intemperance and leading a thoughtless life, never laying up anything for a rainy day, not using as much thought as a common squirrel that runs in the woods.

S. W. ALLERTON.

Chicago, May, 1897.

Thos. Coldwell, President Coldwell Lawn Mower Co

Editor Hardware: Yours of the 10th quotes Bishop Potter as saying that machinery, and the manner in which capitalists look down upon the laboring man, are the two great general causes of ill feeling and uneasiness among the laboring classes. The Bishop certainly is not complimentary to the capitalists he associates with, and I don't think the theological shop in which he has been brought up is the best school in which to learn the most practical lessons regarding capital and labor. But, possibly, the Bishop was indulging in what he thought a little harmless oratory, which he thought would be nice for the occasion; he probably thought it the proper thing at a meeting of the laboring class to berate the employer and the capitalist, and thus inflame the minds of his hearers. But did he think by so doing, he was only making the breach between capital and labor wider and wider. By such unwarranted talk the reverend gentleman is doing the workingman a positive injury, and a satisfactory arbitration was never yet brought to a successful issue based on this principle. I say it with due reverence, if Christ himself had undertaken to arbitrate between God and man on this principle, the Gospel would have been a failure. But He was wiser than some of His followers, and He taught: "First take the beam out of thine own eye."

Now, I don't want you to think for a moment that I am using my pen against labor, or even organized labor. I believe in it, when it is used for legitimate purposes. For instance, take the Brotherhood of Locomotive Engineers, and they are a great credit to the craft, and a benefit both to themselves and their employers.

I wish to say, also, that I have spent upwards of forty years as employe and employer about manufacturing interests. It has also been my privilege to travel about the world a good deal, and I have always taken a great interest in studying the condition of the laboring classes. I merely mention these facts that you may see that I know whereof I speak, and that you may pardon my apparent egotism in my referring to personal experience.

First, the Bishop says that machinery is one of the great enemies of the workingman. I have no doubt that there are isolated cases where machinery occasionally, and for the time being, displaces labor, but it is absurd to think that this is general. Why, if we take this ground, all improvement will cease. Possibly the Bishop prefers riding on a raft, and eating meat with his fingers, as they did of yore. I like an express train with a dining car, and a good knife and fork, and I do not think the workingman has ever suffered by these inventions.

Let me give the Bishop a very practical illustration. Over thirty years ago I commenced in the lawn mower business; we made 150 mowers per year for the whole United States. The cheapest mower was $65. We employed about twelve men. Our tools and machinery were very crude, hence all the work was hard and laborious. But genius came to our aid; new inventions in lawn mowers; new tools and machinery to make them were brought out, and as these things developed, wider avenues of trade were opened. The result is that the lawn mower business now furnishes employment directly to over 2000 people, and indirectly to over 10,000. Not only has it benefited labor in this direct way, but the cost of production has been reduced to such an extent that any workingman can now afford to have a lawn and a lawn mower. I have yet to meet the first workingman who will say to me that machinery in this line has caused him any uneasiness or ill feeling, but I have seen the smile on many a hard workingman's face, as he has laid aside the old scythe and grass hook for a good lawn mower, and, as an Irishman said to me on one occasion, when his employer had bought him a new lawn mower, "Begorra, we have you to thank for the aisy times we'r having this hot weather."

The Bishop speaks of machinery making an idiot of a man. I do not find it so. We don't employ idiots to run machinery. I think if the Bishop would visit Brown & Sharpe's, of Providence, R. I., or any other first class shop, where they make tools and machinery, he would find a very intelligent class of men. Speaking from personal experience, I would rather risk becoming an idiot watching a machine ten hours a day, do ten times the work I could do by hand and do it ten times better, than I would risk becoming a slave and a beast of burden. Yes, and losing my reason too, by working as I have done from half past four in the morning until half past seven at night, and poorly paid at that. Away with such "good old times!" We prefer the present day, with its new machinery and its progress and its possibilities, and every intelligent workingman thinks the same.

The second reason that the Bishop gives as a cause for uneasiness among the working classes, is because the capitalist looks down on him This is probably an isolated case; at least it refers to a class of manufacturers that I am not familiar with. But I think it is an idea that a good, intelligent workingman would not entertain for a moment. If workingmen would only get the idea that their employer wants them just as much as they want him, it would save a lot of trouble. It stands to reason that a successful employer will always try to do that which will be for his best interests, and no one knows better than he does that the success of his business depends largely on the skill, intelligence and contentment of his employes. Hence, it is policy for a manufacturer to take an interest in his employes, and by so doing both parties are mutually benefited. In fact, the true solution of the vexed questions between capital and labor will never be arrived at until

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they understand that their interests are mutual, and that the only true basis of work and wages rests upon supply, demand and merit. A skilled workman never complains that his employer looks down on him. He understands that his intelligence and skill in his craft is his capital, and in the general progress of the world, this capital is quite the equivalent of his employer's money; the employer understands this, and naturally interests himself in his employes.

When I was an employe, I always tried to make it to the interest of my employer to take an interest in me, and by doing this I did the best for myself. Since I became an employer, I have always tried to make it to the interest of my workmen to take an interest in me. The best evidence of my success is the fact that I have never had anything to do with a strike, or had any occasion for one. I have always recognized the fact that a man was none the less a man because he was a workman. I have always insisted that men's wages should be paid according to their ability, and I venture to say that I have not a man in my employ to-day, who would not, if I asked it, get up at midnight to do me a favor.

The other charges the Bishop makes against employers are too absurd for consideration. I will only say that his assertions are a libel on the intelligent manufacturers of our country, and while we might expect such talk from a ward politician or a radical labor agitator, we would hardly expect it from a Bishop.

And in conclusion I will say to the reverend gentleman, that as far as my observation goes, I find that workingmen in our country are better paid, better fed, better clothed, better educated and more independent, and respected more by their employers than in any other country on the face of the earth.

What the American workman wants to improve his condition is not speeches to inflame his mind against those with whom his best interests are identified, but he wants to be encouraged to cultivate that true American principle of making the most of himself and his surroundings. If he does this he will always be respected, and looked up to by sensible employers. He will be able to command the highest market price for his labor. There will always be a demand for him. He would become independent. He would add dignity and power to whatever craft he was connected with, because he would be building on a sure and reliable foundation, which is True Merit.

Newburgh, N. Y., May 20, 1897. THOMAS COLDWELL.

E. W. Bliss, President E. W. Bliss Co.

Editor Hardware: In reply to Bishop Potter, regarding labor saving machines—like most men of his vocation they do lots of talking, and many times make mistakes, as I think is the case in this instance. Supposing his views to be correct, how about the "cotton gin?" How about the can-making industry in this country? Only a few years ago there were as many plants for making cans as packing houses; some of the people in these places understood how to do this work, but the majority did not; machines were not properly manipulated and very little work done well. Look at it to-day! Huge concerns like Norton Bros., Chicago, employing thousands of workmen making the tin plate from which the cans are made, and so on until the cans are made, tested and put into the cars for transportation, all automatically done from the time of starting the making of the tin. No man who investigates this one industry in the United States could say, as does Bishop Potter, that it was a bad thing for help or otherwise. In fact the work is much better done, and the articles are all alike.

He says: 'I visited a large factory in this State and was much impressed with what I saw. I saw a young man sitting before some sort of a large hammer. He sat with his legs crossed, and all his work consisted in shoving into an opening in the machinery a small piece of iron, etc, etc." Looking backward, why did not this celebrated divine look up the art as it stood regarding the work produced by the "cross-legged boy?" Probably by no other means could so good an article be made, and very likely he would find this boy getting good wages "working by the piece," and a man of trade, who formerly had to spend his time in shaping to produce what this automatic machine now did, could work at something much beyond this in skill, "this thing" pushed in a round hole.

Why does a master of to-day look down upon his men? Why does automatic machinery make this difference? For no reason at all. I speak from an experience of over thirty years here in Brooklyn, employing hundreds of men skilled and otherwise. Would you make pins by hand in the method of years ago? Do the attendants of these busy automatic, beautiful machines go crazy from their occupation?

What about stenography? Do the women who get good wages and steady employment at this machine work go crazy? No; but thousands are bettered each year, and the men find employment still.

I have made automatic machinery during thirty years, and I fail to see any truth in Bishop Potter's statements. We are giving employment to just as many boys who are learning the trade; we find employment for just as large a force of men, and no matter to what extent the manufacture of automatic machinery goes, there will always be just as great a call for help in all classes, either for one thing or another. Nothing could make a person crazy sooner than to be at work constantly on something hard to produce, that could be produced in quantities by machinery and by unskilled labor. E W. BLISS.

George E. Long, Secretary Joseph Dixon Crucible Co.

Editor Hardware: Is it not almost unnecessary to pay any serious attention to the remarks of Bishop Potter on the subject of machinery and labor? Or is it because he is a bishop and eminent, that some attention must be paid, or else it will be understood that manufacturers cannot truthfully deny the worthy Bishop's statement? That the Bishop was "impressed," as he says, by his visit to a large factory there is no denying, but he was impressed very much as many a man has been who has witnessed some of Herrmann's magic, or the performance of a spiritualistic medium.

The intricate machinery in the factory was as legerdemain and a puzzle to the worthy Bishop. He simply knew that he saw a young man sitting cross legged in front of "some sort of a large hammer," and that the only work performed by this cross-legged young man "consisted in shoving into an opening in the machinery a small piece of iron." This work was so monotonons, or so easy to the young man "that at night time he drank, gambled and fought."

Now, of course, the Bishop really saw nothing of the kind, although he thinks he did. He was simply "impressed," and can no more accurately describe the operations of the machinery and men in that factory than can the inexperienced men who witness sleight-of-hand performances. Probably his statement that the young man sat cross-legged can be relied upon—he has seen young men sitting that way before, but surely that young man would not have told the Bishop that it was his habit to spend his nights drinking, gambling and fighting, and "had to, otherwise he would go mad."

Then again, the "some sort of a large hammer, into an opening of which a small piece of iron was shoved," shows how the machinery got tangled in the good Bishop's head.

It is not surprising, therefore, that the conclusions drawn by the Bishop are also sadly astray. He says:

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"The master of to-day looks down upon his men. He treats them as though they had no souls. They never get a chance to rise. Daily they drift further apart. In former days the owner of a large establishment took an interest in his servants. He knew every one by name, and promoted and helped them. To-day nothing like that exists."

Now as it is better to be specific and tell what you know, let me confine myself to the ways of the Joseph Dixon Crucible Co. There is no man in the employ of the company that is looked down upon by any of the "masters." Every man is treated as a fellow man. Every man has a chance to rise, and it depends entirely upon the man himself whether he rises or not. If he is competent he will come to the top in time. If not he will remain always as he is.

There must of necessity be masters, as the Bishop terms them, as there must always be generals and captains. Someone must be at the head of each department who is competent to plan, manage and direct both machinery and men. Industrious and intelligent men—men who strive not only to do their work faithfully, but who are competent to devise and work out better methods—are the men who in time come to command their fellow workmen, such men Bishop Potter terms "masters." The name is a fitting one, for they have mastered many problems and difficulties. Nevertheless such men are workmen, and often harder workers, and under greater strain, than the men under their control and direction.

That such men came up out of the ranks is shown by the following facts in connection with the Dixon Co.:

The vice-president, general manager and treasurer came to the Dixon Co. as book-keeper thirty years ago. The secretary, upon whom many duties devolve not usually associated with the duty of a secretary, was the shorthand amanuensis of twenty years ago. The superintendent of the pencil factory department, having under his charge over five hundred men, women and children, was, thirty years ago, a youngster who stood in front of an automatic machine which shaped the cedar wood as he fed it in. The machine is doing the same work to-day, but doing it in a better way because of the improvements added by the youngster later on, when he was able to put in shape ideas that had come to his active and observing mind. The assistant superintendent was, twenty-five years ago, a youngster in the same factory, and later, assisted in making a machine that would do the work automatically that he and his fellows used to do by hand. Yet neither he nor his fellows were the losers in any way.

No new or outside man is ever given a place in the Dixon Co. if a man anywhere in the ranks can perform the duties required. Promotion has always been a rule of the company. Automatic machines are used more largely than ever. The best ones are those thought out by our own men, and built at their suggestion. The further fact that not only has the Dixon force of men largely increased, but the amount of the pay roll has been increased to a still larger percentage, shows the evolution of a higher class and better paid workmen, and that the drudgery of factory work has been placed upon the machinery so bitterly opposed by the Bishop.

The remark of the Bishop that the workmen must "stand on their feet and use their voices" if they are to make the capitalist respect their rights, is a foolish remark to say the least. The intelligent and industrious workmen of to-day, who avail themselves of the facilities at hand, will be masters of the future. The workmen who are so unfortunate as to possess little intelligence and no industry, are to be pitied, but no "capitalist" or employer should be blamed for severing relations with such men. It is usually such men who "stand on their feet and use their voices."

GEO. E. LONG.

Jersey City, May 20, 1897.

C E. Jennings, of C. E. Jennings & Co.

To the Editor of Hardware: I have read the Bishop's speech, delivered before the Church Association in the Advancement of the Interests of Labor, and was much surprised to find the Bishop discussing a subject with which, evidently, he is not at all familiar.

The Bishop said "The causes of the general ill-feeling among the laboring classes in the United States to-day may be divided into two classes: Machinery, and the manner in which the capitalist looks down upon the men who labor for him. Chief of these two is machinery. It is doing away with intelligence in labor. It is turning the laboring man into a simple idiot."

If machinery is turning the laboring man into an idiot, how can the Bishop account for it that with this same labor-saving machinery and improved facilities in manufacture, we are enabled to send the highest grade of tools to all countries of the world? We can only accomplish this by the superior skill and intelligence of our American mechanics. I speak from my own experience as a manufacturer of fine tools, when I say that there are no mechanics in Europe making a similar class of tools that can compete with those that we employ, in skill and general intelligence. The more complicated the machine, the more intelligence it requires to operate it.

Improved machinery, with the skilled mechanic operating it, has enabled the American manufacturer to take the first place, so far as quality and workmanship are concerned, in all countries of the world. The writer, during the past two years, has studied the markets of Europe and visited Holland, Germany, Switzerland, France, England and Scotland, to ascertain just how far the manufacturers of the old world can compete with American high grade work. The result of this investigation proved conclusively that they cannot compete on lines of tools where the highest skilled labor and intelligence are required.

The Bishop also says: "The master of to-day looks down upon his men. They never get a chance to rise. Daily they drift further apart. Few owners know any of their employes even by sight."

Does the Bishop know this to be true? If not, he should be careful in making such a sweeping statement. From my own experience, with the exception of the larger cities, where large numbers of men are employed, the reverse is true. The employer *does not* look down upon his men, and they *always* have an opportunity to rise, provided they make the most of their opportunities. The employers know many of their men by name, and, in many country towns, know all their men personally. We have men employed in our own works who have filled many honorable positions, such as members of the legislature, members of the school board, deacons in the churches, and are active, in every way, to advance the best interests of the community in which they live. Many of them own their own houses, keep a horse and carriage, do a little farming, and are much happier and better off than those engaged in other occupations. By investigating this matter, it will be found that great progress has been made in everything pertaining to the welfare of the employes. Buildings are modern in construction, well lighted and heated, and have every appliance to make them comfortable and inviting. The wages are much higher than they were in the good old times to which the Bishop refers, and living is much better and cheaper.

In conclusion the Bishop says: "They must make the capitalist respect their rights. Let them stand upon their feet and use their voices."

Such absurd talk as this would do very well for an ignorant man, but when a man of intelligence voices any such sentiment in these times of depression and discouragement, we may well pause to reflect and ask what it means. The manufacturer has endeavored, during the past four

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years, to employ his help and keep the mill running, when, on many lines of manufactured goods, there was no profit. In most cases the help have recognized this and appreciated it, and the feeling is of the most friendly character.

I hope, sincerely, that the good Bishop will see the "error of his ways" and make a frank acknowledgment that he was misinformed in regard to the situation, and that he had based his remarks on theoretical and not actual knowledge of the relations between the manufacturer and the workman. C. E. JENNINGS.

New York, May 21, 1897.

Hon. Webster R. Walkley, Peck, Stow & Wilcox Co.

Editor Hardware: It may be presumption for a layman to disagree with the expressed views of a right-reverend Bishop. It is at least contrary to the teachings of his youth. Yet all men do not, perhaps cannot, see an object in the same light. Bishop Potter is reported as saying "that the great causes of the general ill feeling and uneasiness among the laboring classes in the United States to-day, may be divided into two classes. Chief of these two is machinery. It does away with intelligence in labor."

Will the Bishop tell us who produces this machinery? Is it not the brain, thought and labor of the most intelligent workingmen that have ever lived on the face of the globe? Who conceives and builds the powerful engines that drive our steamships and draw our cars? Who plans and constructs the dynamos and motors that weigh, gather up, and measure electrical currents and forces? If the machinery in use to-day almost thinks, speaks and acts, does it not reflect and express the thoughts and deeds of intelligent labor? Does the designing of monitors and torpedo boats; does the construction of massive buildings and bridges, turn laboring men into idiots? It is the intelligent labor of to-day that is revolutionizing methods of production. It is the intelligent labor that gains wealth for itself, and gives wealth and strength to our nation. In the struggle for supremacy among the nations of the earth, has not the intelligent labor of America been the great uplifting agent that has placed us in the forefront, and won for us more victories than war?

"Laboring men are not being turned into idiots." Banish such thoughts. Laboring men are growing in intelligence, increasing in wealth, broadening their views, and stand higher to-day in the social scale than at any time in our history. Some men may work automatically, as do machines, but most workingmen think. They plan and contrive more expeditious ways for producing given results. They are not without reward.

"The master of to day looks down upon his men. He treats them as though they had no souls." Who speaks thus? An observant man? Who gives expression to such thoughts? A man in touch with the laboring men? It cannot be. It is not a fact. Its denial is found in every mill that turns a spindle, and in every shop where a hammer strikes an anvil.

We do know our men by name. Our children sit by the side of their children at school; they study the same lessons and are taught by the same teacher. We place flowers on the caskets that cover their dead. They enjoy equal rights as citizens, and share in all the opportunities that surround us.

"From to-day on the Church of God is with the laborer." Who says from to-day? Why from to-day? Has not the church always been with the laborer? Did not Christ choose his first disciples from toiling men—laborers? Have they not always composed the larger part of his followers?

Labor is intelligent—labor is Christian, and Christian men respect and reverence labor everywhere. May the time soon come when the good Bishop shall select a text from Scripture, of which there are many, and choose as an appropriate theme the "Coronation of Labor."

New York, May 20, 1897. W. R. WALKLEY.

Capt. Jack Crawford, the "Poet Scout."

Editor Hardware: I hold Bishop Potter in almost reverential esteem, but as a member of organized labor, I must take exception to his broad assertion that "the master of to-day looks down upon his men." Less than a month ago I visited one of the largest factories on earth, in Hartford, Connecticut, wherein there is, I believe, more variety of machinery than in any other factory in the United States, and where, from the humblest messenger boy up to the chief superintendent, everyone of the three thousand and more employees were satisfied, contented and prosperous, and where no strike has ever taken place, and where the great head of it all meets the humblest laborer with a kindly smile and treats all with the most humane consideration, for he, himself, is self-made, the architect of his own fortune, and always ready to help those who are willing to help themselves. While there are men and corporations such as Bishop Potter describes "without souls," *there are others.* J. W. CRAWFORD.

Boston, Mass., May 15, 1897. "Capt. Jack."

A Clergyman's Mission.

One of the most prominent manufacturers of the country, whose establishment is a model of its kind, and noted for its care for employees, writes as follows in a personal note to the editor of *Hardware:* "I have always understood the mission of a clergyman to be the preaching and encouragement of peace and good will to all men, and decidedly not to encourage strife or ill feeling between or among the classes."

Warm Air Registers.

The sale of warm-air registers is certainly within the province of the enterprising Hardwareman. A first-class article in this line is being placed on the market by the Ferrosteel Co., No. 151 Water Street, Cleveland, Ohio. This company have been identified with the register business for some two years, and during that time have secured a large and very satisfactory trade. A representative of *Hardware* was permitted to look through their works some days since, and learned with pleasure that since the first of January they have operated their factory continuously, and that trade so far during this year is in excess of that of last year. The company report that prices during the past year have been ruling low, but are now very firm, with every prospect that they will so remain during the entire year. Their Blue Book, as well as sizes, are now considered by large purchasers as standard. Prominent architects throughout the country are using their special dimension sheet.

We note from inspection of the *Official Gazette* of May 4th that there was issued to the Bissell Carpet Sweeper Co. a trade mark patent covering the words "Broom-action" in connection with their carpet sweepers. For some years past this has been a prominent feature of the Bissell line of sweepers, which, however, has been greatly reinforced within the past few months by the acquisition of the "cyco" bearings to the Bissell high grade sweepers.

We have received from the American Artisan Press, Chicago, a bound copy of the Hot Water Manual, recently issued by them. It is intended as a manual for practical workers in this line of business, being prepared by Walter Jones, a British manufacturer, largely interested in heating apparatus in England, in which latitude this book is a standard volume for reference purposes.

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NEW GOODS AND SPECIALTIES.

Luminous Trout and Bass Fly.

The Enterprise Mfg. Co., Akron, Ohio, are placing upon the market a new specialty in the line of their luminous baits, which have proved so immensely popular. It is called the "Luminous Trout and Bass Fly," and we illustrate the same herewith. From the number of letters for-



warded by the company testifying to the superior merits of these fishing appliances, we should judge the sale of them would be a large one. George B. Dowling, of Yonkers, N. Y., writes that with a "Luminous March Brown" fly in the Adirondacks, a friend of his "in ten casts pulled out ten trout" much to the surprise of the rest of the party, who had but ordinary luck.

The Chase Force Pump.

The Chase Pump & Mfg. Co., Columbus, Ohio, are placing before the Hardware trade the perfect style of Double Acting Force Pumps shown by us in the illustration given in this article. This pump is distinguished from many others, by having an aluminum valve seat; a commendable feature which is popular wherever introduced. The Wind Mill Pumps manufactured by this company, have been long and favorably known by the implement trade, and add an



interesting assortment to an otherwise complete line of these indispensable appliances. Catalogues sent the trade upon request, from either the home office or the branch houses mentioned in their advertisement on page 53.

The Star Cash Register.

The Reliance Register Works, Mulberry and Chestnut Streets, Newark, N. J., are manufacturing the Star Cash Register, an illustration of which we give below, and which is placed upon the market as a register which indicates, registers and records, with the same figures. The manufacturers state "it has been their aim in the Star to produce a cash register low enough in price to place it within the reach of every retail merchant in the country, and at the same time furnish a substantial machine second to none in material and workmanship." The Star Register is so constructed that it will indicate any sum from one cent to ten dollars, at the same time leaving a record of each amount on a continuous strip of paper, which comes from a roll in the rear of the machine. "It does no adding, and for this reason the records can be depended upon as being absolutely accurate. At the close of the day's business the paper which is wound automatically upon a reel, can be removed and the different columns footed up, and the amount of the same compared with the cash in the drawer. Then by simply marking the date on the paper, a permanent record of the separate and collective amounts of each day's sales can be kept for future reference. In the operation of this cash register the setting of two levers will give



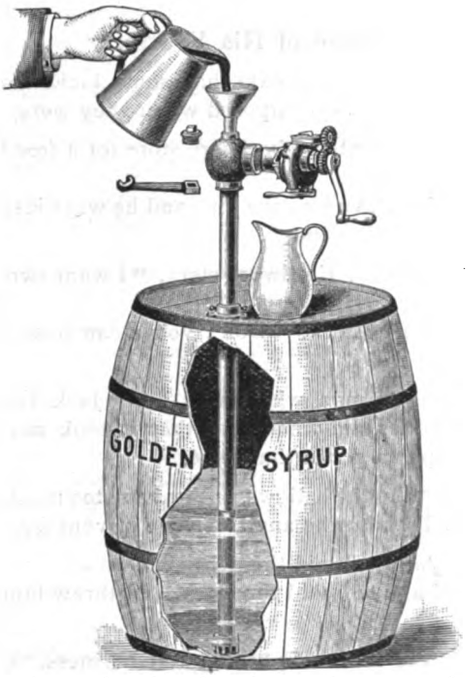
any sum up to one dollar, and with three levers any sum up to ten dollars. The amount is registered and appears in view at the window by merely pressing a plate on the front of the machine. All the parts work automatically, making its operating so simple in character as to require no preliminary practice. The works are enclosed and locked in a metal case, so that it is impossible for any one to tamper with the record. The cash drawer cannot be opened without leaving a record showing this has been done. When it is desired to open the drawer when no sale is to be recorded, the levers are pulled back to o, when the same will show and indicate the opening of the drawer at that particular time. The metal case is nicely enameled and suitably decorated, which, with nickel trimmings and being mounted on a cherry cabinet, makes a very handsome machine." The manufacturerers claim for this register the following points of popularity: "Its extremely low price. It cannot get out of order. The ease and speed with which it can be operated, as three levers take the place of a collection of keys. The wide range, of this machine making it possible to register any one of one thousand different sums. It keeps a permanent record of individual sales which cannot be otherwise than accurate. The price of register, including one-half dozen rolls of paper and ink, is $30, cash with order. Each roll of paper will record nearly 4000 sales. On account of the very low price charged for these machines they are not sent out on consignment or sold on credit or installments. Terms are the same—spot cash to everybody alike."

The National Self-Measuring Faucet Pump

The National Specialty Mfg. Co., Philadelphia, Pa.,

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William H. Jacobus, branch office, No. 90 Chambers Street, New York, are manufacturing and distributing through the Hardware trade, the National Self-Measuring Faucet Pump, which possesses a number of features in its construction which make it well worthy of the notice of the dealers and commend it to the consumer as being fully up to date. We give herewith an illustration of the self-measuring faucet pump in use, the utility of which being there made self evident. To place it in position, the barrel can be placed on end wherever it is most convenient for the dealer to have it, without the necessity of using skids or truck, or in fact doing any lifting whatever. Three inches from the inside of the chime a hole is bored, 2⅛ inches in diameter, into which a flanged collar is placed and screwed to the head of the barrel; the collar is provided with set screws, the tightening of which hold the pipe and pump rigidly in position. While the suction pipe is so constructed that any make of self-measuring faucet can be used in connection therewith, it is claimed by the manufacturers that the "National" is unique in the feature which permits a one or



two gallon jug to be placed so it can be pumped directly into it, from this position. The parts liable to break from any strain put upon them, are made from malleable iron, increasing their strength while diminishing the weight. The suction pipe is made from full weight, wrought iron pipe, tinned throughout, and is intended for molasses, thick oils, varnishes and all such liquids.

A. M. Scheffey & Co., No. 92 Reade Street, New York, inform a *Hardware* representative, that the season has been one of great success for the marketing of the Wynnewood bicycles, and the various sundries which they handle. Their sales have been running very largely on the $50 wheels. They feel that they have a first-class article, and are justified in pushing it. They are also the sole United States agents of Miller's famous bicycle lamps.

Recent visitors to the Hardware Club have missed the genial presence of James D. Foot, president of the Kearney & Foot Co. This is due to the fact that Mr. Foot has sailed across the briny deep to the Old World. The report that he has gone over to inspect the military "files" of the Turkish and Grecian armies is incorrect, as it is files of another character in which Mr. Foot is most closely interested.

Samuel W. Allerton, president of the Allerton, Clarke Co., has been in New York for several days, but has again returned to his home in Chicago.

How Not to Do It.

Complain of the past, present and future of business.
Get the ill-will of your employees.
Find fault from morning to night.
Go unshaven, shabby and down-at-the-heel.
Sell goods as though doing a favor to your customers.
Keep your store dusty, dingy and dirty.
Snub the traveling salesmen.
Feel mean, act mean, be mean.
Go on the principle that there is no God in Israel.
Pattern yourself after a yeller dog.
Snarl when you cannot bite.
Never pay a bill until you have to.
When you dun a man, insult him in some way.
Kick.
Keep on kicking.
Swear and tell off-color stories before your clerks.
Pay the lowest salaries in town.
Take no vacations and give none to your help.
Confide everything to the office boy.
Run down your business rivals.
Always look on the dark side.
If your clerks are cheerful, sit down on them.
If they are blue, color them a deeper shade.
Don't keep up with the times.
Lose your hold on the trade, then make an assignment.

No Double Standards.

"Bishop Potter's comments on machinery," said George H. Sargent, of Sargent & Co., at the lunch table in the Hardware Club, "reminds me of a story once told me by Elias Howe, the inventor of the sewing machine. In those days, the cards which were used in the manufacture of cloth in the clothing mills were made by hand, and the labor was distributed among the people, payment for the same being made by piece. It was young Howe's duty every night, to perform a certain amount of this labor, which consisted in picking up the little wires and placing them in the minute holes made for the purpose, all of which was done by hand. In order to curtail his labor as much as possible, young Howe hit on the scheme of cutting several inches off of the end of the yardstick with which measurement was made. This worked liked a charm for a number of evenings, until his mother finally discovered the short measure, and she used the rest of the stick up over his shoulders. Said she to young Elias 'There cannot be two standards of measurement in this house.'"

"This is a little story," added Mr. Sargent, with a laugh, "which I used to tell to the double standard men, prior to the late election."

A meeting of the Pacific Coast Hardware & Metal Dealers' Association is to be held in Portland, Ore., on June 16th, 17th and 18th. Frank Dunham, of San Francisco, is president, and Mr. Honeyman, of Honeyman & DeHart, vice-president of the association, which includes in its membership, almost without exception, all the jobbers in Hardware and metals of every town on the coast, from Los Angeles to Seattle. The object of the meeting is to talk over the situation in regard to freight rates, Eastern competition, etc., but has nothing to do with the prices of Hardware or metal on the coast. Representatives from nearly every firm dealing in Hardware or metals on the coast are expected to be present.

Hermann Boker & Co., Nos. 101 and 103 Duane Street, New York, have been appointed as sole agents for the sale of the product of the Boston Wood Rim Co., manufacturers of the Boston Laminated Wood Bicycle Rims.

HARDWARE costs only One Dollar a year.

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"Hop's" Harangues.

I was sitting on the porch of the Fort William Henry Hotel, at Lake George, several summers ago, beside an aged Israelite, who was enjoying a season of doubtless well deserved rest. In the course of some desultory remarks on "drummers," with a wish to "jolly" the old gentleman, I said:

"Do you know that in all my experience 'on the road,' throughout the country, I have invariably found the commercial travelers of your race and faith the most indefatigable, hard-working, good-natured and level-headed of salesmen; always keen of scent to make a sale and give the customer the idea he was getting a bargain? I must confess I have never failed to take advantage of any points in their methods, which I felt I could obtain by watching them closely, and I think I was the gainer by it every time I did so."

"Vell, vell!" the old man said, "it may freguently be efen as you say, but my friendt you gif the salesman aldo gedder doo much credit; it is in die nadture of his liperal surroundings dat our young men tevelope indo combanionable beople, und so make goodt sellers; they are, in trate, accustomedt to id from chilthoodt. Bud do you know der man of all whom ve venerate, respecdt und look up to in every ding? Vell, my friendt, I'll dell you, id is der buyer, und not the salesman; if the goodts are pought broperly, anypoty can sell dem; und you may nodice in going indo the sdores gontrolled by die lowest grade in our mercantile business, you will findt efen the chiltren are permiddet to sell, and dus day early learn die pargaining faguldy, to study the buyer from all sites, and adtack him on his veakest. Ven he knows und feels die cost on dose goodts he sells is really a low one, die salesman feels a sense of disgrace ven he fails to make a sale."

Remembering with painful distinctness a few contacts of my own with the commercial type so conscientiously glorified, I was fain to admit that I, upon more mature consideration, was willing to adopt his view.

In his clear cut analysis of the different characters floating about us on the porch, which ever and anon he made to me, he reminded me very much of a Jewish knit goods manufacturer I met a year or two later at a meeting of creditors in Newark, N. J.

A young man who owned enough sand lots on the seashore, and wood lots in the interior, on which to establish a "Bradstreet's rating," made up his mind to go into the bicycle business, and he did. He became a liberal purchaser from the various distributers of what was then a growing product, and as the word was passed around, "the boys" gathered within the genial precincts of his well-located establishment. While he was accepting an occasional cigar they filled him full of goods both present and prospective. The house I represented had $800 worth, more than they desired of it, when within 30 days of his opening, *mirabile dictu!* his failure was announced, for he had made an assignment.

A meeting of his creditors was held to hear what he had to propose, and we were all discussing how easy it was to "get played for a sucker," even if you were a large house doing "a business of a million."

Beside me sat a middle aged Hebrew, whose pronounced features betrayed his race without the utterance of a single sentence, and to make the proceedings less prosaic, I said to him, as though I knew him well:

"I am surprised to find you represented in this barefaced swindle, because you have always been regarded as so very conservative in the giving of credits, with a recognized desire to start light and progress slow, when there was no cash in sight."

"Oh, vell," he said, "I am in, bud not so very teep, only eighty dollars. I understandt," he said, with a wink, "dat you are schtuck for $800. Ven my salesman sendt in die order for my goodts it vas for $600 vorth, and I saidt, holy Moses, der man vas grazy! Six hundred dollars vorth of schweaters for Newark? He can'dt sell them in dree seasons; dat salesman has no sense, and the buyer must be eider a vool or a fraudt. We will led dat order lay und soak for avile; bud ven die man kepdt wriding efery otter day, 'why don't you sendt me some goots on my order?' 'I am losing sales all the dime.' 'The beople are vondering vy I don't keepd schweaters when I have everyding else?' und so fort, so aldo I vas convinced die man vas crooked to buy so many goots when his pusiness vas new yet, I toldt my headt clerk to pale up a lod of dirdy samples we hadt lying in der backing room, und make ub a shipment; if die man is honest, I saidt, he vill 'fire' dem back by oxpress, *gans gleich;* if he is a fraudt he keeps dem. Vell, he kepdt dem, und dot pill of $80, vich was at a dird brofit, vas all dat he efer got from me. Don'd you vish you had done die same?" Admiring the characteristics underlying the transaction, I must say I answered in the affirmative.

Some of His Worst.

The office boy of HARDWARE has some lucid moments, but the following were composed when they were absent:

The tramp went into a Hardware store for a free bit and brace.

The office dog gave him the one, and he went into neighboring saloon for the other.

Said the girl to the Hardware clerk, "I want two feet of hose."

Said the smart Aleck, "Don't you mean hose for two feet?"

The bewildered man who asked for "Jack Potts' sad irons," was sadder still when told that it took more than one Jack to open a pot in that store.

Said the anvil to the bellows, "You have too much *wind*."

Said the bellows to the anvil, "None of your *irony*."

"I want a *pull*-ey," said the politician.

"You need a *push*," said the clerk, and threw him out of doors.

"When I was in the lightning rod business," said the drummer, in a reminiscent mood, "I ——"

But the smoking room had suddenly emptied, and he was an outcast among the traveling men thereafter.

A half dozen men were in Junk's store, talking of the past. Said one, "There are things in every man's life that he would have blotted out. Now I was once a map peddler."

The others moved away a little.

Said another, "I was in the real estate business in Kansas City for two years."

The crowd looked scared, and felt for their watches.

"I solicited life insurance," said another. A weary look came over their faces.

"And I," said the man in the corner, with a bowed head, "was a member of the New Jersey legislature."

There was a wild rush for the door.

A Business Opportunity.

To an enterprising young man of good capacity, and possessing sufficient capital to ensure success, we know of a fine opening in one of the most flourishing cities in New England, possessing a trading population tributary to it of 75,000 inhabitants. A new block in course of erection, with all modern improvements, will be ready for occupancy on July 1st, one store of which is reserved for a Hardware business exclusively. This might prove the chance of a lifetime. Those interested, address "New England," P.O. Box 618, New York City, N. Y.

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SOUTHERN HARDWARE JOBBERS.

The representatives of the Hardware interests, who met with the Southern Hardware Jobbers' Association, in Savannah, Ga., on May 12th, 13th and 14th, enjoyed an occasion of unusual pleasure and exceptional value. The business sessions were well attended, and all who were present, either as members or guests, expressed themselves highly gratified with their treatment. Among the well-known Southern houses which were represented, the following may be mentioned:

D. G. Fones, Fones' Bros. Hardware Co.
Samuel B. Hubbard, Jr., Frank S. Gray, the S. B. Hubbard Co.
W. A. Parker, Beck & Gregg Hardware Co.
Jno. S. Clark, Clark Hardware Co.
Geo. E. King and W. E. Newill, King Hardware Co.
Harvey S. Anderson, Lowry Hardware Co.
W. Stone, F. I. Stone & Co.
A. B. Palmer, Palmer Hardware Co.
F. E. Smith, Melton Hardware Co.
E. W. Clarke, E. C. Atkins & Co. and Magill Hardware Co.
Bruce Keener, C. M. McClung & Co.
Fred. Orgill, Orgill Bros. & Co.
A. P. Duncan, McLendon, Duncan & Co.
R. E. Bell.
J. C. Sproull, Anniston Hardware Co.
J. D. Moore, Moore & Handley Hardware Co.
G. R. Vaughan, Barney-Cavanagh Hardware Co.
C. A. Cunningham, Cunningham Hardware Co.
G. W. Barnett, Teague, Barnett & Co.
Wm. M. Teague, Jr., Teague & Sons.
J. W. Tullis, Jr., Tullis Hardware Co.
John Donnan, W. S. Donnan & Co.
W. S. Robertson, Watkins-Cottrell Hardware Co.
J. R. Tobias, Marshall Wescoat & Co.

The meetings were held at the De Soto. The first gathering was called to order at nine o'clock on Wednesday morning, with the president, W. E. Newell, of the King Hardware Co., Atlanta, Ga., in the chair. C. B. Carter, the secretary-treasurer of the association was present, serving in his official capacity.

PRESIDENT NEWELL'S ADDRESS.

In opening the exercises, Mr. Newell made a brief but pertinent address, in which he said:

It gives us pleasure to be present in Savannah on the occasion of the seventh annual convention of the Southern Hardware Jobbers' Association. During the history of our association, unlike most associations, we have thought it the part of wisdom to avoid combinations as to prices, and the main effort of the association has been the improvement of the standard of business of the Hardware jobber of the South in relation to his fellow jobbers, the manufacturers and our patrons. We place the patrons last because it is generally conceded that all ambitious mercantile establishments are more interested in the welfare of their customers than they are in their own welfare. If there be any doubt on this question it can readily be decided by putting the question to the Hardware jobbers present in the form of a vote. Hence our relations with our customers are as close as we could expect them to be. Our association has resulted in material benefit to each of these three classes. We have learned to have a wholesome respect for each other. Most manufacturers, we think, now realize that the jobbers are their best friends, and our customers have been getting their goods at extremely low prices, and we steadily encourage the manufacture and sale of high grade goods. Our traveling salesmen, who may be called the medium through which our wares are distributed, have been taken into closer relations to the various houses they represent, thus benefiting them and we think, benefiting ourselves.

It is not to be expected that any association can remove all difficulties attendant on active business. The commercial world is at present in such a state of health that it has required, and will require, the soundest judgment of her votaries to prevent serious shocks. Carrying the matter a little further, and yet bringing it closer home to each one of us present, permit me to say, gentlemen, that the United States has to-day as great need of able statesmen as at any time during her history. When you stop the normal flow of commerce you impede the very life blood of the nation. It is the duty of each commercial association and each individual worker, whether a member of any association or not, to use his utmost endeavors to promulgate sound business maxims and himself to follow them. We trust that in our meetings we shall sink out of sight any spirit which does not as its prime object seek to promote the general welfare of the commercial world. In many things our association is like a balance wheel to keep everything running steadily, but effective work depends on each line of shafting, each pulley, each machine. Often it appears that everything might run without it, but at that very moment it is exerting a strong, steady, powerful influence for good.

At the conclusion of this address, which was received with marks of favor, an executive session was held. Letters were read from manufacturers who were unable to be present, who expressed their regret to that effect.

In the afternoon, a paper was read by John Donnan, of W. S. Donnan & Co., on the subject of whether salesmen should be given the flat or the true cost of goods. Another paper upon the same subject was also read by R. E. Bell, of Weatherford, Texas, and still another read by W. A. Parker, the same having been prepared by W. M. Cromley, of the Beck & Gregg Hardware Co., of Atlanta. An animated discussion on these papers ensued.

THE COST OF BUSINESS.

An able paper on the subject "What Constitutes the Cost of Doing Business?" was read by James D. Moore, of the Moore & Handley Hardware Co., of Birmingham, Ala. Mr. Moore commenced by showing that business methods of to-day are quite different from those of fifty years ago, and that the introduction of railroads and telegraph lines has wrought a wonderful change in methods of transportation, and a marvellous improvement in the interchange of communications between the most distant portions of the world. Continuing he said: Commerce has been revolutionized. The merchant and manufacturer of to-day have the opportunity of extending their trade to an extent only limited by their power to produce, and their ability to determine the needs of customers. Commerce is always conservative, and has its basis in knowledge, and hence it is highly important that we should acquaint ourselves with all of the details of our business and not be groping along in the dark without any knowledge of where we will land, awaiting the inventory and balance sheet at the end of the year to ascertain whether we have made or lost.

Mr. Moore then devoted his attention to the remedies for existing evils. Competition, he said, is growing much fiercer, and the percentage of profits in proportion to the gross sales must now be larger than formerly, in order to take care of the expense account. But, he added, unfortunately the percentage of profits to the gross sales

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seems to be growing less. This must be remedied. The question now is how to do it. One way is to cut down our expenses, which most every one will find difficult to do; another is to increase the percentage of profits on our gross sales, which we may do by concert of action; but it will require concert of action, which, from the very nature of the case, is very difficult to obtain, but it must be obtained in some way, and if we cannot devise methods possibly our successors will, and it must be a humiliating confession to think we have not the ability to accomplish this end. My idea is that one of the most successful methods of bringing this about is for all to look closely into the question of what constitutes the true cost of doing business.

Mr. Moore then took up the question of costs in detail. He paid special attention to the expense account. After treating of the various causes of failure, he made a telling point in his discussion of the failure of combinations, concerning which he said:

Other methods have been tried to correct this evil of cutting prices—viz., by having a common agreement as to what price we should make on certain goods in a specified territory. This, so far as I know, has always resulted in comparative failure, and I believe will continue to do so, for where it is necessary to make an agreement with more than two or three parties as to the maintenance of prices, such an agreement is pretty sure to be a failure. It is true that Mr. Scovil has succeeded in holding the trade to a uniform price for a period of about three years, but this is accounted for from the fact that he has no one to consult, and is the only manufacturer of his goods in the world. This cannot be said of any other line with which I am acquainted. It is true that there are very few makers of steel sledges and goods of that kind in the country, and yet there are too many of them to be able to formulate a working agreement and keep it up for any length of time without violations occurring.

The Nail Association is another notable example. There were too many of them, And it can hardly be said that they controlled the prices to all buyers for any one month at a time during the existence of the association, and finally it went to pieces. So with the billet pool, the rail pool, the machine and carriage bolt pool, and last, but not least, in the territory which we are considering, the Steel Plow Blade Association. All of these associations eventually break up with bitter jealousies among the members who once endeavored to work together, resulting in very much lower prices than before the agreement was inaugurated, bringing about demoralization generally.

Now, if this thing be true with manufacturers, who are much fewer than jobbers, then how much more difficult, considering the large number, would it be for jobbers to formulate and maintain a working agreement. Some other method must be found to remedy these evils than that of formulating prices at which we must all sell.

The only kind of combination that will ever succeed will be a combination that can reduce expenses and cheapen the prices below the reach of all competition, upon the same ideas as the Standard Oil Company have always worked. But this has always been foreign to the idea of all combinations; they immediately get avaricious and put up prices unreasonably high, encouraging rascality and the building of more factories, of which we already have too many. However, I am persuaded that if we could be led to see the true cost of doing business, and that the products of iron and steel are declining in value, as they have been doing for a period of years, so that it requires our selling more of them to reach the same amount in dollars and cents, it would necessarily require a better percentage of gain on our gross sales than in former years, because our expenses have not lessened. Railroad fares, hotel bills and salaries of traveling men have not declined in the same proportion as the wares we are selling.

Indiscreet salesmen, profits, special buying facilities, the quality of goods sold and the value of reputation were ably discussed. In conclusion he said: When we think of cutlery, what names come into our mind as a synonym?—Joseph Rodgers and Wostenholm; when we think of shovels, Ames; of hoes, D. & H. Scovil; of pistols, Smith & Wesson—and all through the line where the manufacturer has made a reputation of which he is proud, it has been upon the question of quality and not upon a question of price, and if we can educate our salesmen to talk quality, tell the people that they represent a house that desires to sell goods of merit, this will help us to establish a good reputation and correct very largely the evil of low prices, and we will learn very soon that it is not altogether the price that controls the order. You will observe that I have not confined my article strictly to the consideration of what constitutes the cost of doing business, but have entered upon an idea which I conceive has called forth the discussion of this question, and that is, to fall upon some method that will abrogate the disastrous cutting of prices and result in a fair profit to the jobbing trade. I believe that a due consideration of this subject will more certainly lead to this end than anything else will, and therefore have labored largely to bring out the necessity of considering the true cost of doing business.

Other papers presented at the meeting of the Association were by William W. Supplee, of the Supplee Hardware Co.. of Philadelphia, upon the same subject as that treated by Mr. Moore, and one upon "What Constitutes Legitimate Territory?" by John Donnan, of Richmond.

The annual election of officers was held on Friday, and resulted in the choice of the following gentlemen to serve during the coming year:

President, G. W. Barnett, Teague, Barnett & Co., Montgomery, Ala.

First vice-president, J. J. Mandlebaum, Fones Bros. Hardware Co., Little Rock, Ark.

Second vice-president, John Donnan, W S. Donnan & Co., Richmond, Va.

Executive Committee: W. A. Parker, Beck & Gregg Hardware Co., Atlanta, Ga.; W. E. Gibbons, W.W. Woodruff & Co., Knoxville, Tenn.; J D. Moore, Moore & Handley Hardware Co., Birmingham, Ala.; A B. Palmer, Palmer Hardware Co., Savannah, Ga.

At a meeting of the executive committee, C. B. Carter was reappointed secretary-treasurer. The matter of place for next meeting was left in the hands of the committee.

On Thursday afternoon and evening the visitors were treated to an excursion to Tybee Island, where they attended a picnic given by the Chatham Artillery Co. at the Tybee Inlet Club House.

The pleasure of those who were present was greatly enhanced by the efforts of the reception committee which consisted of the following named gentlemen: Irby Bennett, Winchester Arms Co., New Haven, Conn.; Charles H. Wier, Wier & Wilson, Baltimore, Md.; George H. Harper, Clendenin Bros , Baltimore, Md.; Omer C. Meade, Millers Falls Co., New York; H. H. Beers, New York; William P. Smith, J. C. McCarty & Co , New York; H. B. Lupton, Oliver Wire Co., Pittsburg, Pa.; R. D. Carver, Cincinnati Barbed Wire Fence Co., Cincinnati, Ohio; F. H. Foreman, Consolidated Steel & Wire Co., Louisville, Ky.

Among the manufacturers who were present the following may be named: E. F. Cooper, Henry Disston & Sons, Philadelphia, Pa.; E. E. Perry, Iver Johnson's Arms & Cycle Works, Fitchburg, Mass.; T. H. Russell, J. M. Butler, Clayville, N. Y.; John R. Griffith, Germantown Tool Works, Germantown, Pa.; B. E. Willingham, Macon Agricultural Works, Macon, Ga.; W. A. Chenoweth, Fayette R. Plumb, Philadelphia, Pa.; D. P. Hale, Standard Whee

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Co.; J. S. French, Peters Cartridge Co., Cincinnati, Ohio; J. M. Christy, Washburn & Moen Mfg. Co., Worcester, Mass.; G. A. Seaver, John Russell Cutlery Co., Turners Falls, Mass.; Newton Kelsay, Newton Kelsay, Evansville, Ind.; C. A. Conklin, C. A. Conklin Mfg. Co, Atlanta, Ga.; H. P. Dawes, Lalance & Grosjean Mfg. Co., New York; Hugh McCaffrey, McCaffrey File Co., Philadelphia; Stacy B. Bispham, Russell & Erwin Mfg. Co., New York; J. M. Hottel, G. & H. Barnett, Philadelphia; H. E. Cooper, Nicholson File Co., Providence, R. I.; J. C. Schmidt, John C. Schmidt Co., York, Pa.; Frank Lohoff, Schulte, Lohoff Co., Evansville, Ind.; Carl T. McKinney, Stanley Works, New Britain, Conn.; Frank Guildner, Sargent & Co., New York.

The Perry Pneumatic Bicycle Saddle.

The Harris Toy Co., Toledo, Ohio, Allerton, Clarke Co., agents, No. 97 Chambers and No. 79 Reade Street, New York, are placing upon the market through the Hardware trade handling bicycles, and the dealers in bicycle sundries, the Perry Pneumatic Bicycle Saddle, "1897 model," which is claimed by the manufacturers to "supply that de-

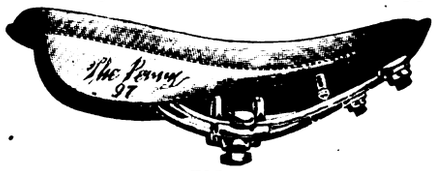


FIG 1.

mand for a saddle which, while furnishing at all times a firm, substantial seat, does not possess spring enough in its construction to interfere with the proper foothold upon the pedals which every rider deems essential to graceful wheeling."

We give in the course of this article illustrations of the prominent features that tend to make this saddle popular. Fig. 1 shows the saddle as it appears on the wheel. In Fig. 2, is shown the under side of the steel base plate, while in Fig. 3, the rubber air cushion is illustrated showing the inflating valve. Combining as it does the good points of both hard and soft saddles, it is claimed to be "so constructed with its perfect pneumatic device, that it can be made as hard or as soft as desired, by the operation of inflation; and when inflated properly, it possesses that soft yielding quality so necessary to health and comfort, and so often looked for in similar saddles without complete success." An imperfectly constructed seat to a saddle can be made to give such a shock to the nervous system, caused by the

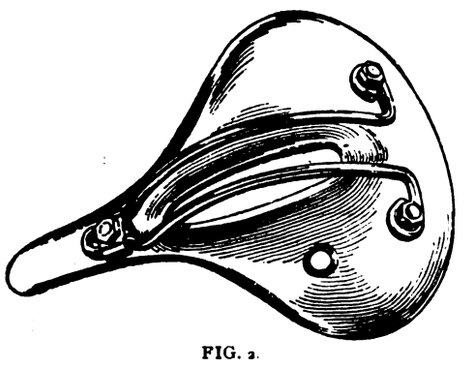


FIG. 2.

jarring upon the end of the spinal column, as to entirely destroy the pleasure which should invariably accompany the use of a cycle. The Perry Saddle, with its pneumatic attachment, in addition to all the other usual concomitants of a good seat, combines so many commendatory features as to make it especially recommended by physicians for the use of those ladies who have found other saddles objectionable from too great a rigidity. To combine strength with lightness it is made with a stamped steel base. This base is covered with a layer of the softest felt, to prevent friction between the metal and the rubber cushion, which is next placed in position. The pneumatic cushion, manufactured by Morgan & Wright, is constructed upon original lines patented by this company, and rises but ⅞ inch when fully inflated; it having been found by experiment, that too great a thickness in the volume of expansion makes a seat in the saddle less secure. Even when deflated the limited area of expansion possible in this saddle, causes it to be ridden with perfect se-

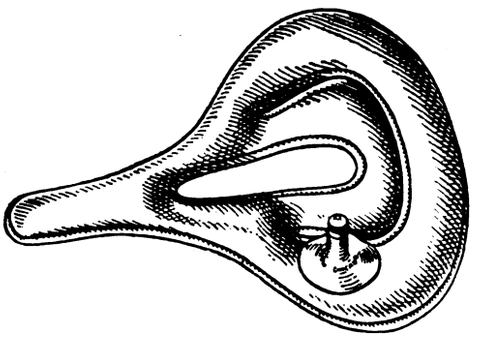


FIG. 3.

curity because of its conformation providing a solid seat. It is finished with a covering of the finest oak tanned leather, in black and several shades of tan, which does not soil or grease the clothing. It is inflated by the aid of a Morgan & Wright '97 valve placed at one side. In its construction the anatomy of the human frame seems to have been carefully considered in every posture possible to be assumed in the use of a cycle saddle.

The Cash Register Industry.

No industry, perhaps, has made such rapid progress during the last decade as the manufacture of cash registers. The cash register field is now largely controlled by one immense concern, the National Cash Register Co., of Dayton, Ohio, and it is said that they "make ninety-nine per cent. of all cash registers used in the world."

The machine in itself is one of the most intricate inventions of late years; it combines a cash register, a typewriter, a printing press, an adding machine and a paper cutter, all in one, and nothing but the finest tools are and can be employed in its manufacture.

The National Cash Register Co. maintains one of the finest organizations in factory history. This organization is employed in the manufacture of cash and autographic registers only. It has the largest force of tool makers employed by any one manufacturing concern in the world, who make tools for the exclusive use of their own machines. As has been well said: "While this company own and control a great part of the cash register patents in the world, yet the secret of their success is mainly due to their wonderful organization, and the fact that they manufacture cash registers which are perfect in every detail. This is especially true in England, Germany, France, Belgium and Holland, where the company have no patents whatever, and their registers are sold almost exclusively in competition with other native companies."

Parks & Parks, Troy, N. Y., had a very narrow escape from a complete destruction of their works by fire within the past ten days. Even as it was, the rear portion of their large building was entirely destroyed. They had on hand stored in the adjoining room, over 10,000 pelts which were intended for their sheepskin polishing mittens, which is one of the most popular productions of this firm.

The Lansing Wheelbarrow Co., Lansing, Mich., have bought the stock, machinery and good-will of the business of the Davies Iron Works, Muskegon, Mich., formerly manufacturers of warehouse trucks, and will continue the manufacture of their specialties

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Review of the Markets.

There are but few changes in regard to business noticeable since our last report. The market may be said to be in a state of dignified dullness, remarkably so in many ways considering the month, and prevailing conditions of ample stocks and satisfactory quotations to tempt the possible purchaser. The season bids fair to be found a shorter one than the interests of the business should have preferred. The delay in regard to the adoption of a tariff may be said to be one of the principal predisposing causes; it certainly looks as though the "dog days of August" will reach us before any statesmanlike settlement of this portentous matter is likely to be arranged.

Wire Nails: The conditions surrounding this important industry have not materially changed since our previous report; the demand keeps up in fairly good shape, while the slightly lessened supply holds the market in such a state as to make competing interests not actively aggressive. We quote as follows: Carload lots at mill, f. o. b., $1.35 a $1.40. New York prices for smaller lots from store, $1.60 a $1.65.

Cut Nails: With a moderate demand, cut nails continue under similar conditions that prevailed at the time of our last report. A limited demand on orders, covering an assortment for daily wants, with prices remaining as previously: Car load lots delivered, New York, $1.40; Philadelphia, $1.38; Boston, $1.42; smaller lots from store being held at 10 cents a keg advance.

Linseed Oil: A change in price is noted in this important staple. The Dean Linseed Oil Co., under date of May 18, quote as follows: In lots of less than 5 barrels, 31 cents per gallon; in lots of 5 barrels or more, 30 cents per gallon; Boiled Linseed Oil, 2 cents per gallon higher; Calcutta Oil, 50 cents per gallon.

THE PITTSBURG TRADE.

There is a waiting, hesitating feeling in business just at present that makes spring trade rather disappointing. Just what is the matter it is hard to say; probably there are several causes operating to delay the expected revival. One of these is no doubt the immense producing capacity of our manufacturing concerns, which the recent hard times have tended to increase. Finding it necessary to reduce cost, it has been done by increasing output, with less labor and more automatic machinery. We shall have to adjust ourselves to this new condition, use up more goods, or find new markets for them.

The wet season has made a big demand for lawn mowers; stocks have had to be renewed and still they call for more. Poultry netting has had a large sale, also, this season, probably induced by the extremely low price. Fishing tackle is selling well. The country districts are beginning to send duplicate orders for bicycles, showing that the roads are getting into riding condition. Good roads would be of great benefit, not only to bicyclers, but to all classes. LOGAN-GREGG HARDWARE CO.

THE COLUMBUS TRADE.

Trade has been excellent for the past two months, and April was our banner month. The volume of goods sold is all that could be asked for, but we are sorry to say that it is not true of profits. Goods are being sold on too small margins by both the jobber and retailer. In years gone by, there were only a few articles that were classed as staple goods, and sold at less than cost of handling them, but the list has grown until it is as long as a fence rail, and some kind-hearted individual is adding a new article to the list every month.

We are happy to say that we have been able so far to get our three meals a day, and are thankful that we enjoy them. It is hard to sell consumers more than they can consume, and as a general rule, they will buy what they must have at a reasonable price just as readily as they will at a cut price. We find trade in the good agricultural districts is very encouraging. Farmers have a bright prospect for an ample harvest, and with the better prices that farm products are bringing, they are feeling much better. We think trade will be still better in the fall, unless some calamity overtakes us.

The bicycle business is booming, and so far as we know, all leading manufacturers are behind with orders. Wire and nails have held their own for the past two weeks. Glass is about 10% higher. Rope is very low in price and it would seem to be a good time to stock up reasonably. Some manufacturers have withdrawn the extreme low prices on tacks. The county treasurer still keeps his price on *Tax* at $1.00 net. We would like to get a double-pointed tack discount, but we can't always get what we want. Binder twine is badly demoralized by outside makers. We mean by makers of twine that haven't the reputation that some old manufacturers have, but standard makes are held firm, and we think they will have no trouble in marketing their stock, as the demand will, no doubt, be heavy. The weather has been too cool for vegetation during the past two weeks, but so far no damaging frosts have come, and we hope all danger from that source is now past.

SMITH BROS. HARDWARE CO.

THE CLEVELAND TRADE.

It has been some time since we have communicated with you in regard to the condition of the market in this section, and largely because there was so little of any interest to communicate, as the outlook was so unfavorable that we did not care to make people feel worse by our own croaking.

Now that we begin to see a little light, we may feel a little more like saying something. We cannot truthfully claim that the volume of business for the year to date, or even at the present time, is at all satisfactory, but we fancy that we see some rays of light ahead, that lead us to believe we are approaching the promised land.

Reports from crops throughout the territory tributary to us are most gratifying, indicating that our farming population, who have been suffering from all manner of evils during the past three or four years, are at last to have reasonably good times. We have had splendid climatic conditions for the last sixty days, and everything in the way of vegetation is in good shape.

When we consider that out of our total population 42 per cent are farmers, as has been stated by some one who has taken the trouble to investigate, it would be easy to realize that their prosperity means a great deal to the other 58 per cent, as the farmer is notoriously a good spender of money when he has it.

Values of Hardware continue very low, and there is no immediate prospect of any change. The demand for tools continues as light as it has been for the past few years; occasional items, however, like lawn mowers, scythes, etc., show a heavy demand, but at a meagre margin of profit. We hope by the time another two weeks roll around, that the skies will have brightened still further, and that we may have even a more encouraging report.

MCINTOSH-HUNTINGTON CO.

THE PHILADELPHIA TRADE.

So far the spring of 1897 has gone by without a spell of really warm weather, and, consequently, it lacks the stimulus which is sure to come when a high thermometer makes a demand for screens, mowers, refrigerators and such seasonable goods.

Despite, however, the demand for screen doors has been phenomenal, so much so that stocks are very bare, and it is almost impossible to fill orders promptly. Lawn mowers are also in fair demand, and, on the whole, a fair number of orders are coming in, which are steady in volume, but indicate careful buying. It does not seem as if there was

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anything in the market to justify caution in this particular. as prices were never so low, and manufacturers are undoubtedly making many goods at a loss, and are already becoming very restless and showing a strong desire to get better prices at the earliest possible opportunity.

Already there have been rumors of advances in the nail market, but it is a little too early to say anything positively; still it has stimulated buying to some extent, and advances threaten to take in wire, and all goods which are priced with wire as a basis.

Collections are improving, with prospects of still greater brightening in this respect as the season advances and the crops come in. In the South trade is slacking, as is usual at this time of the year, and in the West, owing to the floods and other causes, trade is hardly up to the mark, but home conditions are better and the spring demand for bicycles and bicycle sundries helps greatly.

Prices show very few changes except, as we have already said, there does not seem to be much desire to shade prices any closer, and the slightest indication of an increased demand would soon create a rise in values.

BIDDLE HARDWARE CO.

THE MINNEAPOLIS TRADE.

There is quite a decided improvement in business, no large buildings of any kind going on, but quite a quantity of moderate priced houses. We think the most of our contractors are fairly well employed. The saw mills have started, thus giving employment to many men that have been anxiously waiting for this time. Seasonable goods, such as garden hose, lawn mowers, etc., are moving off in fairshape. Nails and barbed wire are badly demoralized in this market as heretofore, with no prospect of improvement that we can see. With these exceptions, we think conditions are much better than they have been. Collections show signs of improvement. The prospects of a good crop were never better, and in spite of the floods there is an increased acreage seeded over last year, and while rain was not badly needed we have had some that certainly has been of much benefit. If nothing happens to prevent, there will be the largest crop this fall the Northwest has ever seen, and undoubtedly higher prices will prevail than farmers have been able to get for their product for the past few years.

W. K. MORISON & CO.

THE GRAPHITE TRADE.

We consider business fairly good, although less in aggregate than last year.

Orders arrive in quantities, but not so individually large.

Graphite paint is a leader at this season of the year, and the sales are prominently large. Every thing in the Graphite line is ordered as usual, and no present indication of a lull.

Small orders continuously arrive from concerns throughout the country, indicative of activity in the small brass melting industry. For the past two or three years this industry has been practically dead.

The daily mail is full of inquiries for prices, and we get a good percentage of orders from our replies.

We have not anticipated a "slam-bang" boom in general business, and will be well pleased to realize a slow, sure, healthy return to good times.

JOSEPH DIXON CRUCIBLE CO.

The New York Creditmens' Association have recently opened their new rooms in the Central National Bank building, No. 320 Broadway, New York. They extend an invitation to those in the trade, interested in the objects of the association, to join with the members on May 20th between 3 and 6 P.M. in an inspection of the new rooms and the methods of the association, the officers of which being present, would be glad to dilate upon.

A Model City In Dreamland.

An advanced thinker tells a story of a man who went to sleep in the year 1900, and dreamed he was in a city governed by women, who, under the cabalistic initials of T. I. A., dominated the local government.

It was a city scrupulously clean, and while walking around he saw three men arrested for spitting upon the model pavements. There was a garbage barrel at the rear of each lot, which was hand painted and tied with blue ribbon; mail boxes were decorated with tidies, and the fire plugs were invested with cushioned seats on top of them having a corded edge.

Sweet pea vines were climbing the lamp posts, and hand painted cuspidors occupied a prominent place on each corner, having a metal mat under each of them to provide for too careless an aim.

All the business done needing a vehicle was with those only that were provided with pneumatic tires. The curbstones of the streets were provided with a system of sprinklers, operated at intervals from a central point, by which the streets were kept free from dust at the expense of the city.

A policeman was stationed at the railway depots to see that those entering the town wiped their feet on the public mats placed conspicuously for the purpose.

All men "out with the boys" and not getting home before curfew, were incarcerated in the lockup over night. The curfew bell was rung promptly at nine P. M., by two taps of the fire bell, when every light in the city was extinguished, and the inhabitants retired for the night.

No unsightly trolley poles, with their wire attachments, were permitted to desecrate the landscape; nor were electric lights allowed to pale the domestic effulgence which burned through six-foot burners until curfew.

The dreamer awoke before he was able to learn the name of the place, but the inhabitants of a very pleasant suburban town named "Montclair," have no doubt they could guess its location.

Exports of Manufactures.

The Washington correspondent of the New York *Journal of Commerce* gives this table exhibiting the growth of manufactured exports since 1860:

Year.	Exports of Manufactures.	Per cent of Total exports.
1860	$ 40,345,892	12.76
1870	68,277,764	15.00
1880	102,856,015	12.48
1885	147,187,527	20.25
1890	151,102,376	17.87
1891	168,927,315	19.37
1892	158,510,937	15.61
1893	158,023,118	19.02
1894	183,728,808	21.14
1895	183,595,743	23 14
1896	228,489,893	26.47

These are the fiscal years and enough is known of the present fiscal year of 1897 to make it safe to say that the record of 1896 will be beaten.

United States Consul Stephen at Annaberg, reports that the Bulgarian government is now considering the advisability of introducing agricultural machinery into Bulgaria. While no definite conclusion has yet been announced, it is probable that offers will be invited for supplying a certain number of threshing machines and portable engines, to be delivered this summer in various selected districts. The consul says this is a most tempting opportunity for American manufacturers, and, for their benefit, he quotes from an authority as to the best means to compete for this trade.

The Christy Knife Co. and the Fremont Cutlery Co., Fremont, Ohio, have appointed R. Christensen, No. 83 Chambers Street, New York, as the manager of their branch offices at the above address.

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NEW YORK WIRE CLOTH CO.,

102 Chambers St., New York.

WORKS LOCATED AT YORK, PA.; BROOKLYN, N. Y.; HOMER, N. Y.; HAMILTON, N. Y

——MANUFACTURERS OF——

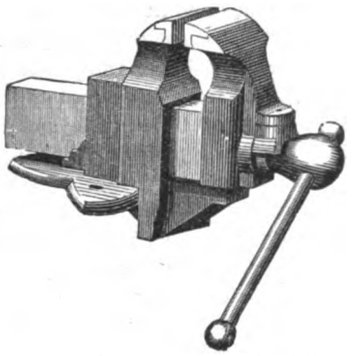
PAINTED HARD STEEL WIRE SCREEN CLOTH.

DOUBLE SELVAGE, STANDARD QUALITY.

Owners of the following brands of Wire Cloth: **YORK WIRE CLOTH CO.**, York, Pa.; **THE WIRE FABRIC CO.**, Homer, N. Y.; **J. H. DE WITT'S SONS**, Brooklyn, N. Y.; **HAMILTON WIRE CLOTH CO.**, Hamilton, N. Y., and the **DIAMOND** Brand.

Howard Bench Vises.

The Bench Vises, manufactured by the Howard Iron Works, Buffalo, N. Y., continue to increase the popularity they have always enjoyed. Being noted for great strength, durability and excellent construction, the sales during even the period of depression from which we are now emerging have been extremely satisfactory. Among numerous advantages claimed for this vise, may be mentioned: the malleable cast iron nut of the vise, is rendered immovable



by being set in molten iron, thereby doubling the durability of both nut and screw; as they are, in consequence, saved from the destructive, grinding, cutting and binding action of the cross strain, which have always proved detrimental to continued usefulness heretofore. Another improvement claimed is the chilling of those parts of the slide sheath that come in contact with the slide, thereby avoiding much friction in its movement.

The Slate Trade Abroad.

From the advance sheets of Consular Reports, we note the following, in regard to the slate trade in Belgium. The department is in receipt of the following from Consul Morris, dated Ghent, March 16, 1897: Slate is not produced or manufactured at Ghent or in this immediate vicinity. Considerable slate is used here for roofing purposes, and also for lining old-fashioned outhouses. About 6000 to 8000 school slates are sold annually in Ghent. Slate blackboards are not used. Slate for roofing is produced at Herbemont and Vieil Salm, in the province of Luxembourg, Belgium. There is also considerable slate imported. The number of pieces brought into the country during 1895 amounted to 37,719,682, valued at $145,598.04. The importations from various countries were, in 1895: From England, 660,400 pieces, valued at $2549.15; France, 36,300,882 pieces, valued at $140,314.47; Germany, 1500 pieces, valued at $5.90; Grand Duchy of Luxembourg, 693,500 pieces, valued at $2676.91; other countries, 13,400 pieces, valued at $51.72. A total of 37,719,682 pieces, valued at $145,598.15.

The import duty on slate is 77.2 cents per 1000 pieces. School slates come chiefly from Germany, from the house of Faber, the slates of this manufacturer being favored by the school authorities.

Many a man has failed in business because he failed to select the right business.—*Hardware and Metal Reporter.*

Death of Lucius S. Miller.

Lucius S. Miller, who for many years has been associated with the Hardware trade of this city, died suddenly from apoplexy on Friday last, at about noon, while in the salesroom of Oakman Brothers & Co., cutlery and silverware manufacturers, No. 123 Chambers Street. Mr. Miller was about 55 years of age, and very active in business affairs; represented as local buyer the old established house of J. D. Weed & Co., Savannah, Ga.; at the same time holding an interest in the syndicate Hardware firm of W. B. Fox & Bro., at No. 97 Chambers Street, where his own offices were located. He was a college graduate and well-informed gentleman. Too much cannot be said of his sterling integrity and devotion to the interests entrusted to his care, having occupied positions of trust since his advent in this city twenty-seven years ago, when for several years he was the travelling representative of the Stanley Works, which position he relinquished to go abroad in the interest of W. B. Fox & Brother; since which time he has been intimately connected with this firm, conducting principally the export branch of their extensive business.

He leaves a widow and one son, Mr. Charles E. Miller, who is a travelling salesman for the Iron Clad Mfg. Co., Cliff Street.

Death of Rudolph Lienhart.

We have received the following announcement as a memorial card: "With deepest sorrow we have to announce the decease of Mr. Rudolph Lienhart, the secretary of our company, who has been identified with us and our predecessors for many years. He died suddenly on Sunday, the 16th inst. WIEBUSCH & HILGER, Limited."

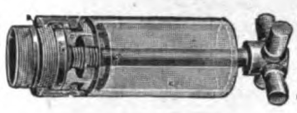
Mr Lienhart here referred to has been identified with the above well-known house as secretary since its formation. He was a gentleman of the old school, one who would reflect honor and dignity upon any sphere in life in which he might be placed. Actively industrious in all the duties appertaining to his responsible position, and conscientious in the extreme, he leaves a memory with his friends they can refer to with satisfaction and composure.

A Salesman's Essential.

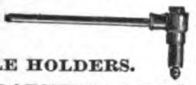
The Cincinnati *Enquirer* very correctly says that it is one of the most essential characteristics of a successful salesman that he should be entertaining. Not entertaining after the negro minstrel style; no low comedian business, but entertaining in an intelligent, manly, business fashion. To be acceptable in full to customers, one must be more or less attractive, one must make an impression decidedly in his own favor. The neutrality that neither attracts nor repels will not do. There must be some particular influence that gives him an advantage over the average either in conversation, in appearance, or intellectually. The customer must be favorably disposed to him and willing to accept his reasoning; in fact, he or she must be willing to be convinced, in order to be convinced, and the personality of the clerk is the factor which must create this willing disposition on the part of the customer.

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Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of ours



FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.
Sent free on application to

CURTIS & CURTIS,
No. 3 Garden St., Bridgeport, Conn.

Seymour Cutlery Co., ESTABLISHED 1839.
—SUCCESSORS TO—
HENRY SEYMOUR CUTLERY CO.,
Office and Factory, Holyoke, Mass., U. S. A.

Seymour Shears ARE THE STANDARD.



Every pair is fully warranted and if found imperfect from any cause will be replaced with perfect shears.
No commission house is sole agent for the SEYMOUR SHEARS.
Notice our imprint on every paper pocket inclosing shears.
Write for Catalogue and prices.

The Reform Curry Comb.

The New York Stamping Co., North Eleventh and Berry Streets, Brooklyn, N. Y., who for many years have been the manufacturers of a line of Curry Combs well and favorably regarded by the Hardware trade of the country, have added to their assortment, one of the most important specialties in that line, and which possesses originality and utility to so great a degree it is bound to become a favorite wherever introduced. It is called the Reform Curry Comb, and in the illustrations herewith, the back and face view is shown which gives a good idea of its general appearance. The construction of this curry comb is of extreme simplicity. The comb proper is composed of three shallow, oval trays, having corrugated edges; these trays are struck up by automatic machinery from cold rolled steel made especially for the purpose, and after being firmly riveted together as to be practically inseparable, they are heavily tinned and bronze lacquered, so as not in any way to be susceptible to rust The outside dimensions of the Reform Curry Comb being 6½x4¼ inches makes an available cleaning sur-



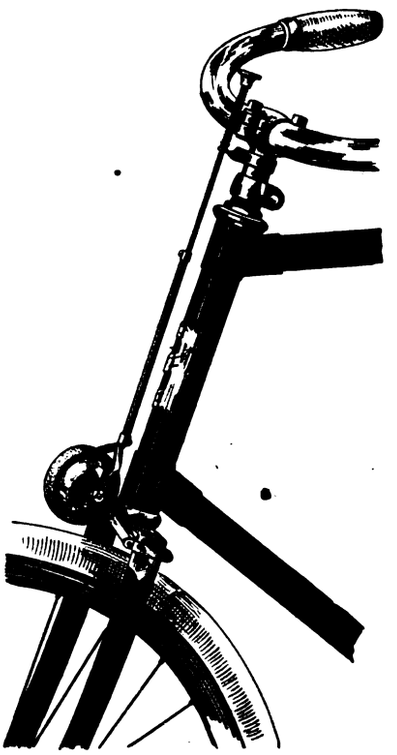


face largely in excess of that furnished by an ordinary curry comb. It is claimed that by reason of this notable gain in tooth surface, a horse can be cleaned in one-half the time required when adopting the usual methods, consequently demanding less labor on the part of the operator. The claim is also made that the Reform Curry Comb cleans with equal thoroughness a short coat or the long furry ones incidental to the winter season; as from the manner of its construction, not the smallest part of the coat can escape the comb, which is so designed as to avoid irritating the most sensitive skin. Among the many advantages referred to, it is noted the comb has no facilities for the storage of hair, requiring but the slightest tap on its face to free it of all obstructions. It would seem as though this self-cleaning feature would strongly recommend it to all grooms, especially during the shedding period of their horses, when the ordinary combs are sometimes wanting in efficiency.

Bicycle riding cures dyspepsia, and dyspepsia is one of the greatest foes of religion.—*L. A. W. Bulletin.*

Osterman's Bicycle Bell.

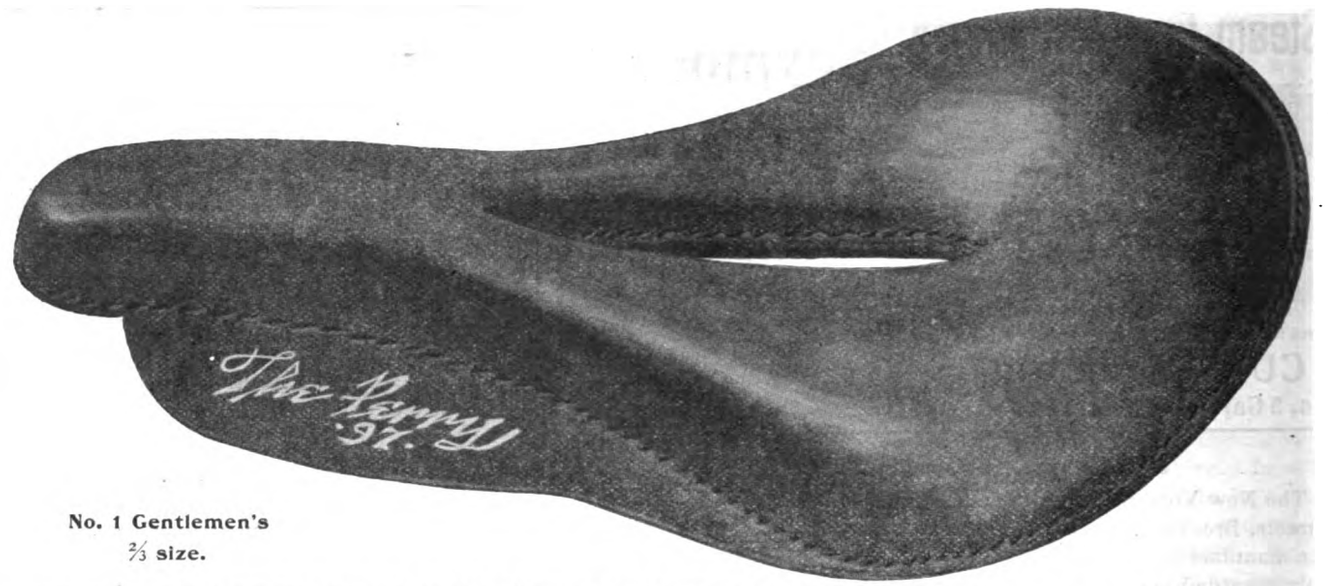
Joseph Osterman, Manayunk, Pa., patentee and manufacturer of the Osterman Bicycle Bell, is placing this ingenious bicycle appliance before the public through the medium of the Hardware trade, and other dealers in bicycle sundries. We present herewith an illustration of the same, showing its novel features, which naturally insures a speedy sale wherever its merits are made known. By a simple pressure upon the button, visible above the handle bar, the revolving disc is made to come in contact with the tire, and an alarm is sounded as distinctly as if emanating from an electric bell It can be attached to any make of wheel and having apparently no movable parts subjected to any great amount of wear, it is unlikely to get out of order. It is claimed to be manufactured from a superior grade of bell



metal and is very highly plated, making it extremely attractive in appearance. The alarm is operated entirely by gravity, and the sound to be made, whether light or heavy, is entirely under the control of the rider; when placed upon the wheel it is in harmony with its general appearance, being centrally located and does not throw the wheel out of line. It can be kept ringing as long as the wheel is in motion even if the cyclist is walking beside it. It presents many new and original features and would prove attractive. List prices with discounts to the trade, will be furnished by the manufacturer upon application.

To make fireproof paper nothing more is necessary than to saturate it in a strong solution of alum water, and when thoroughly dry it will resist the action of flame.

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No. 1 Gentlemen's
⅔ size.

This is the Celebrated **PERRY** **PNEUMATIC SADDLE.**

Unequalled for Comfort and Beauty.
No other Saddle so Good. . . .
Made in Four Styles. Price, $5.00

MADE BY
HARRIS TOY CO.,
TOLEDO, OHIO.
New York Office, - 79 Reade St.
Chicago Office, - - 179 Lake St.

Write for catalogue and mention "HARDWARE"

Pike's Pocket Hones.

Our English contemporary, *The Hardwareman*, referring to the acknowledged improved methods of the "Yankees" in marketing their products, has this to say of the latest novelty of the Pike Mfg. Co.: "A capital idea, which strikes us as new, has been carried into effect by an American firm. It is a small box of pocket knife hones, selling at 25 cents (say 1s.) each, and exhibited in a show-case similar to those brush cases which we see on the counters of house decorators and ironmongers in this country. Now we are tolerably certain that there should be a good demand for this article. The average man likes to keep his pocket knife in good condition, and it is forever getting blurred and blunted. He cannot be constantly rushing off to the needy knife grinder, and accordingly would gladly furnish himself with the requisite article for sharpening his trusty blade. We believe the Britisher would do a good trade in this line if he would only make a beginning. If he does not take our friendly hint we shall really be compelled to encourage our Yankee friend to try his luck in Great Britain."

The Hardware merchants seem to have struck the right road in their efforts to avoid the grasp of the "department store octopus." Instead of rushing to the legislature for laws to prevent the department store people from doing business, they will meet the competition of these institutions with the best of modern business methods. The convention was made up of the brightest body of business men that has visited St. Paul for a long time. They are capable of carrying out any plan that their association may devise.—*St. Paul, (Minn.), Dispatch.*

The Matchless Mop Wringer Co.,

A mop, wringer and pail at a price that will sell.

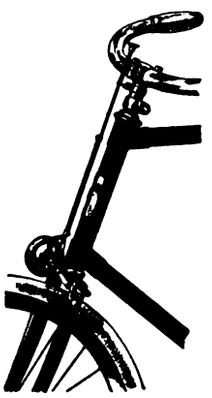
See current price list for the trade.

Discounts to Jobbers.

Canton, Ohio.

Send for Circular.





"The SUCCESS OF THE PHILADELPHIA SHOW" . . .
WAS THE
OSTERMAN
BICYCLE BELL.

Rings loud and clear like an electric bell.
The faster the speed the sharper the alarm.
Rings on the slightest pressure of the button.
Needs no care.
Never wears out.
Quickly adjusted to any wheel.
Strong, Simple.

AGENTS WANTED IN EVERY TOWN.
MADE ONLY BY
JOSEPH OSTERMAN & CO.,
4411 Main St., MANAYUNK, PA.

OILERS

25c. 
Highest Grade Oiler.
DOES NOT LEAK.
Regulates supply of oil.
A little higher in price but,—

10c. 
The Best Medium Grade Oiler.
Made in best manner possible.
Second to none but the "Perfect."

CUSHMAN & DENISON, Mfrs., 172 9th Ave., N. Y.

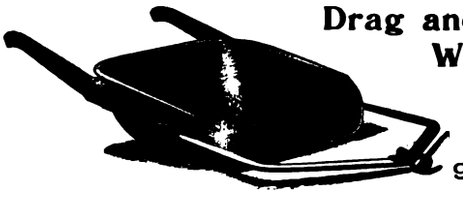
. . . HEARTILY RECOMMEND "HARDWARE."

E T. Barnum, Detroit, Mich. [*Wire Goods*]. We heartily recommend HARDWARE to those desirous of reaching the largest number of dealers.

Sidney Steel Scraper Co.,

MANUFACTURERS OF

Drag and Wheel Scrapers, Wheelbarrows and Trucks.



WRITE FOR PRICES AND CATALOGUE.

924 Poplar St., Sidney, Ohio.

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A GOOD THING.

IT'S IN THE TEETH.

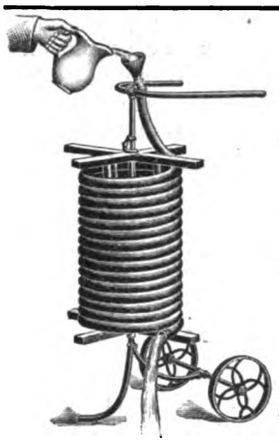
The Patent "REFORM" Curry Comb is composed of three shallow, oval trays, with corrugated edges. The parts are struck up from a fine grade of cold rolled steel, heavily tinned and bronze lacquered, firmly riveted together and warranted not to rust. The outer dimensions are 6½x4¼ inches and by reason of the large cleaning surface and peculiar arrangement of teeth, the comb will do its work with a large saving of time and labor, cleaning with equal thoroughness both long and short coats. There are no places to accumulate hair and it will not tear or injure the brush, the comb being quickly freed from accumulation by giving its face a gentle tap.



NEW YORK STAMPING CO.,

SOLE MANUFACTURERS,

North Eleventh and Berry Sts., BROOKLYN--GREATER NEW YORK



Patented January 5, 1897. Others applied for.

IT EXPLAINS
Why it is
Superior to all other
Hose Reels. This
The Hartzell - Self-Draining Hose Reel
will carry more hose,
it will **drain, preserve** and
greatly increase
the **durability** of **Hose.**

It is a beautiful ornament for a lawn. It is convenient, light, strong. It will please your customers as it saves money. For prices and Sample Reels, address

The Hartzell Novelty Works, (Sole owners and man'f'rs) ALLIANCE, OHIO.



Our Fork Crown. "Pat. applied for."

Agents are wise who get an Agency

... FOR THE ...

KENSINGTON

Full of tried and up-to-date improvements.

SELLS AT SIGHT.

THREE MODELS:——

$100, $75, $60

A Magnificent Line.

THE——

Martin & Gibson Mfg. Co.

BUFFALO, N. Y., U. S. A.



Our Name Plate.

A Black Diamond File.

"You seem to have some kind of a treasure there?"

The gray-haired old blacksmith had put the bulk of his tools carelessly away on their customary shelves, but one article he had wrapped in paper. About to deposit it in a corner of a chest with a stout lock, he halted the movement with a smile.

"I have," he nodded, "of the rarest kind."

"A memento, a keepsake, eh?"

"No, an old friend."

"Looks like some kind of a tool."

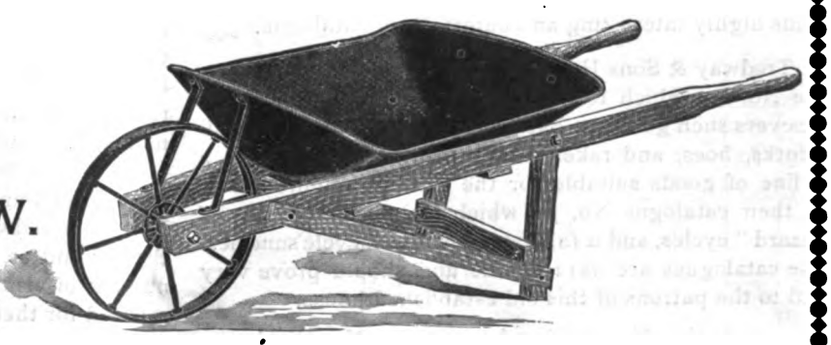
"That's just what it is—A Black Diamond File."

He drew it out from its covering now, and he eyed it and he fondled it as if both memory and service had indeed endeared it to him through long association.

"A kind of a tool," he repeated softly. "It is the kind you don't run across everywhere in these cheap, quick days, when everything goes, the kind that was made honest and acts honest. Once in a while an old fossil like me runs across an idea and clings to it like moss. This file is one of them. See here. In comes a man with a tool. It is new and pretty. It's this, it's that, everything that is right, he says. I get dazzled and buy, whack! comes a blow, and the tool breaks. This one does not. I bought that file on a representation that's held out. First, they said it would cut, and it cuts. They said it would last, and it lasts. They said it was standard. It's all that. When I have a friend that don't bend before a storm, that helps me through hard tugs and soft tugs alike, that stands every test and comes up smiling, what do I do? Treasure him, cherish him, treat him well, don't I? Well, that is the case here. I'd keep that old tool in velvet if it would show my appreciation any better. It is like having a friend and treating him as such. My temper-keeper is my Black Diamond File."—*Chicago Journal of Commerce.*

PAN-AMERICAN R. R. BARROW.

With Round Steel Spoke Wheel The most durable, lightest and best barrow made. Used all over the world. Barrows for all purposes.



Write **THE KILBOURNE & JACOBS MFG. CO.**

COLUMBUS, O., U. S. A.

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Recent Trade Publications.

E. C. Stearns & Co., Syracuse, N. Y., have added a line of admirable ice cream freezers to their list, and are preparing to place them on the market in large numbers during the coming season. The firm's advertising department has just issued a dainty booklet entitled "Novelties in Creams and Ices," printed on rough paper in two colors, and containing thirty-two pages of new and unique receipts for ice creams, iced puddings, sherbets, etc., and a number of hints for the soda fountain as well. It is claimed that the freezer is one of the speediest ever put out, and in the booklet is an affidavit signed by Iram C. Reed, manager of the Onondaga County Milk Association, to the effect that the freezer made a record of two minutes and fifty seconds for six quarts, under his supervision. The book, "Novelties in Creams and Ices," has this to say: "The Stearns freezer consists, first, of a tub or pail, built of selected Virginia cedar, mortised securely and strongly reinforced with heavy steel hoops. The gears, dashers, shaft, etc., are made of the best quality of iron, galvanized, and the can is made of the very finest quality of charcoal tin plate. The gearing is securely covered and cannot become clogged. The upper and lower gears and the crank gears are so nicely adjusted that only a minimum of effort is needed in freezing. The entire gear frame can be swung on a pivot so as to be out of the way when packing and unpacking the tub. This feature greatly facilitates the operation of freezing. The Stearns is absolutely the most rapid, the most effective and the strongest freezer on the market." "Novelties in Creams and Ices" may be had gratis on application to E. C. Stearns & Co.

The Stoddard Mfg. Co., Dayton, Ohio, manufacturers of the Tiger and Tigress bicycles, have issued about as handsome and artistic a bicycle catalogue for 1897 as has reached us this season. Taking as a text "How the world rides," it makes a pamphlet of thirty-six pages, which includes a beautiful cover, the colored illustrations adorning which are in imitation of water color paintings. At least one-half of the catalogue is devoted to illustrating the various modes of conveyance in use throughout the world, printed beautifully and carefully in two colors; and showing the palanquin, elephant, Arabian horse, camel, mules in Egypt, snowshoes, reindeer and Esquimo dogs; Indian's horse, cowboys' broncho and buggies and bicycles for the United States. Incidental to all this, with an interesting recital of the varied methods illustrated, full page engravings are given, showing gondolas of Venice, the English "four-in-hand" coach, the Chinese palanquin, the Japanese jinrickisha, and the sleighs of Russia. Very attractive full pages these engravings make. The rest of the catalogue is filled with a full and complete description of the "Tiger" and "Tigress" bicycles and tandems manufactured by this company. All of the mechanical features, special points of interest and improvement, are carefully pictured and fully described. Many of these features of excellence are unique and worthy of close attention. It would behoove those in the trade, interested in the sale of bicycles, to send for this highly interesting and entertaining catalogue.

A. Tredway & Sons Hardware Co., Dubuque, Iowa, catalogue No. 19, which forms their spring circular for 1897, and covers such goods as Batcheller hay, manure and spading forks, hoes, and rakes, scythes, lawn mowers, etc., a full line of goods suitable for the seasons' requirements. Also their catalogue No. 20, which includes their line of "Wizard" cycles, and a full assortment of bicycle sundries. These catalogues are 9x12 in size and should prove very useful to the patrons of this old established house.

Sargent & Co., No. 37 Chambers Street, New York, are distributing a number of extra pages for their 1894 catalogue. These pages cover a line of covered spring snaps, cylinder screen door night latches, extra heavy hinges, for water closet and other doors; loose pin ball tip butts, "Elm City" padlocks, with six levers, window pulls, heavy sash centers and sash fasteners.

New Aladdin Cycle Lamp.

The Aladdin Lamp Co., No. 518 Broad Street, Newark, N. J., are manufacturing and distributing through the Hardware trade and dealers in bicycle sundries, the New Aladdin Cycle Lamp, for which they claim a number of novel features which should place it in the front rank of moderate-priced cycle lamps.

It is thoroughly made from drawn brass, heavily nickel plated, on graceful lines, combining lightness with strength. No solder is used in the construction of the body. It is five inches high over all, weighing complete with bracket attachment but nine ounces. The font has a capacity enabling it to run for fifteen hours, and is made so the oil cannot flood the flame. A patent lighter makes it possible to light the lamp in the highest wind. It burns any heavy or mixed oil, and avoids the smoking inseparable from the use of pure kerosene. The oil font is secured to the body of the lamp by an exceedingly simple fastening device, and the lamp is provided with an ample draft which guarantees a perfect combustion. The popular price at which the New Aladdin Lamp is sold, is $2.50 each.

Death of Charles E. Parker.

Charles E. Parker, of the Charles Parker Co., died quite suddenly from pneumonia at 1:30 A. M., on May 11, at his home in Meriden, Conn. He had been ill for quite a while but his demise came very unexpectedly, as the family believed he was on the way to a speedy recovery.

Mr. Parker had been, since 1877, the vice-president of the Charles Parker Co., which was founded by his father more than half a century ago. The company is one of the best known among the trade throughout the country as leading manufacturers of fire arms and general Hardware, having their factories at Meriden, Conn., with branch offices and warehouse at No. 96 Chambers Street, New York.

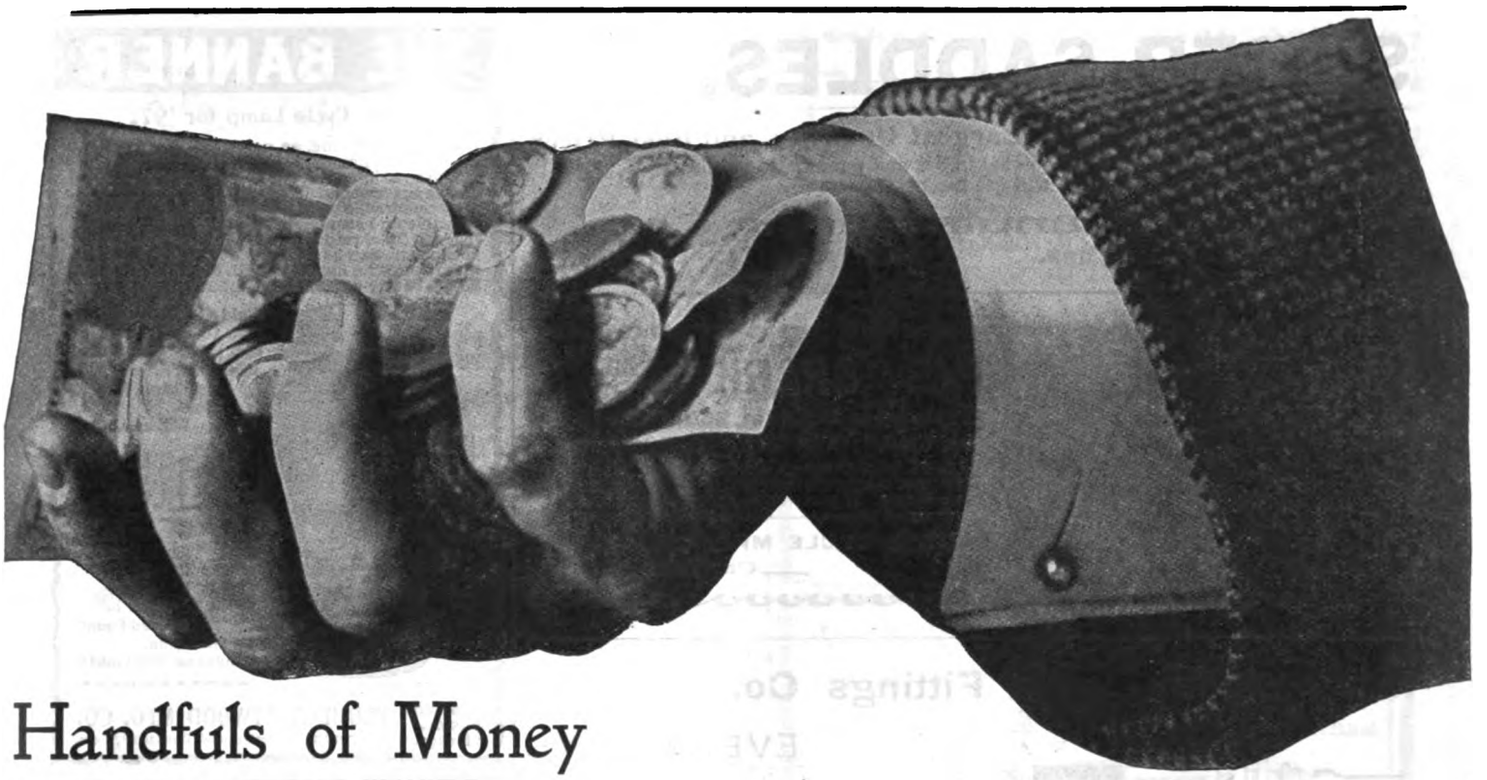
Mr. Parker was fifty-five years of age, was a member of the Hardware Club of this city, president of the American Steel & Copper Plate Co., vice-president of the Hall Signal Co., and treasurer of the Columbia Shade Cloth Co. His funeral took place at the home of his father, No. 816 Broad Street, Meriden, his father, Charles Parker being still living at the advanced age of eighty-seven years.

The Kansas City Convention of Creditmen.

At the regular meeting in May of the executive committee of the New York Creditmens' Association, the six delegates to which they are entitled, were appointed to represent the association on June 9th, 10th and 11th prox. at the Kansas City Convention of the National Association of Creditmen. Arrangements have been made that will make railroad fares of one and one-third regular rates, obtainable by the visitors, which would reduce the expense from $66 to $44 for the round trip. The executive committee look forward to a large representation of their present membership, who will find their stay in Kansas City not only pleasant but profitable. It would be good policy for those intending to go, to notify the secretary H. J. Sayers, No. 320 Broadway, New York, as early as possible, so that the committee in Kansas City may be notified as to the number of visitors, that suitable accommodations may be secured for their comfort.

A mile of railway permanent way, with two sets of rails, takes up two and one-half acres of land.

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Handfuls of Money

Are made by thousands of merchants who use our systems for handling transactions between clerks and customers in their stores. Fill out and mail to us the blanks below and we will send you a handsomely-illustrated pamphlet describing one of these money-making systems in use in stores like yours.

When our agent is next in your vicinity he will call with sample registers and further explain the system; or if the particular system we send should not be satisfactory, he will, by aid of the information on the blanks, assist you in devising a system suited to your special needs.

When the agent calls he will supply you with our latest book on window dressing, and also a book containing valuable hints to clerks.

It is understood that sending this information to us places you under no obligation to buy.

Address Department H, The National Cash Register Company, Dayton, Ohio, U. S. A.

Answer the questions below.

Business _____

Name _____

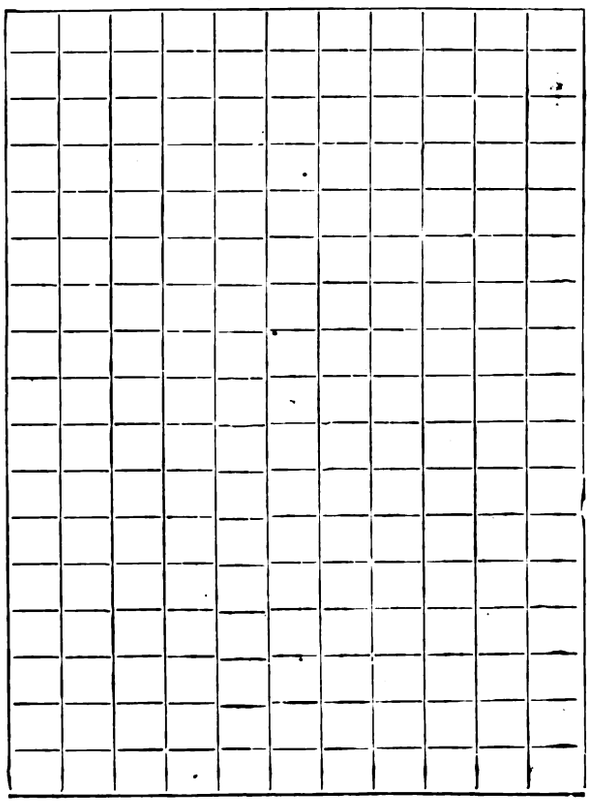
Town _____ *State* _____

Street Address _____

1. How many clerks?
2. Do clerks receive payments on account?
3. Do clerks pay out money?
4. How many cash-drawers?
5. Do clerks make change?
6. Are clerks' sales kept separate?
7. Have you a cashier?
8. Have you a bookkeeper?
9. Have you a head clerk or manager?
10. Do you buy country produce?
11. Have you cash boys?
12. Have you a cash carrier?
13. What per cent. of sales on credit?
14. Are credit sales entered in a blotter?
15. Are credit sales entered on duplicating slips?
16. Are cash sales recorded as soon as made?
17. Do your drivers take orders?

Make map of store below.

Show, by pencil, location of front door, counters, show-windows, show-cases, safe, cashier's desk or cash-drawers. Each square to represent five feet.



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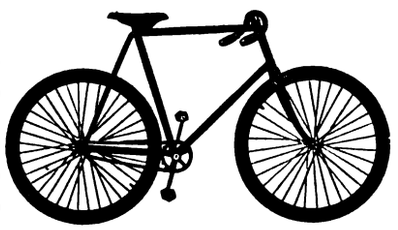
SAGER SADDLES.

Largest Variety, Largest Quantity, and Best Prices.

Regular leather saddles, padded hygienic saddles and pneumatic saddles.
Insist on **SAGER'S** and you will get the best. . . . . .

Sager Manufacturing Co.,

Most Extensive Saddle Works in the World. ROCHESTER, N. Y.



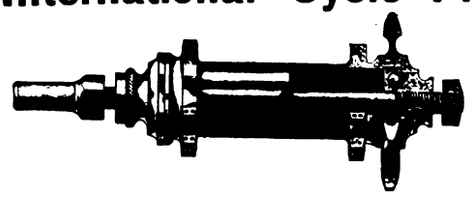
THE "SPARK" '97 MODEL

An up-to-date machine. **List, $60.** Our specialty "One Wheel," "Best Grade," at "One Price"

To all, **$60.** They are handsome, well built, finished in elegant taste and strictly up with the times. If you want a ready seller, better write us.

CANTON CYCLE MFG. CO.,
Canton, Ohio

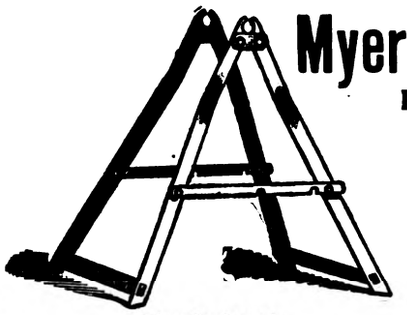
International Cycle Fittings Co.



EVERYTHING FOR A WHEEL.

70 & 72 READE ST., NEW YORK, U. S. A.

Myer's Home Trainer.



Bicycle Stand, - Truing Gauge
—AND—
Home Trainer.

The very best, most complete and cheapest trainer. THE HIT at all Cycle Shows

Bicycle Stand.

NO NOISE. RUNS EASY.

Weight, 4½ lbs. complete, made of Spring Steel. Carries a 350 lb. man.

A First Class Cleaning Stand.

Will fit any wheel front or rear. A Home Trainer superior to any. Enables the customer to try and adjust wheel in store before purchasing. . . . .



Home Trainer Attachment.

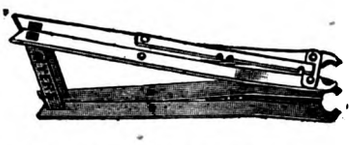


For Exercise or Training.

Truing Device Attachment.

Simplest and cheapest on the market.

Myer's Safety Bicycle Stand, $1.30; per doz., $7.20.
Home Trainer Attachment, - 1.00; " 6.00.
Truing Gauge. - - - 1.00; 9.00.



Stand Folds Up Like This.

OUR '97 CATALOGUE NOW READY.

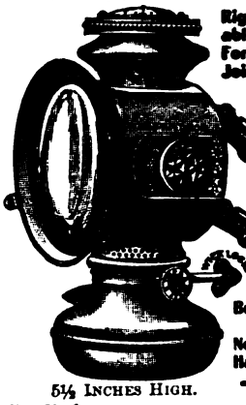
UNION BICYCLE SUPPLY CO.,

Wholesale Jobbers in all kinds of
BICYCLES, SUNDRIES and MATERIALS,
Cheapest Bicycle Supply House in America. 68 Murray St., New York.

THE BANNER

Is the Cycle Lamp for '97.

None as handsome, as practical, nor as thoroughly and honestly made. Throws a powerful, broad light, having **a 3-inch optical ground double convex lens.** No lamp so easily cleaned. Has removable top burner and reflector, removable and **reversible oil pot.** The only lamp made with a positive wick-locking device—it acts on the ratchet. Your dealer should have them; until he has will send, carriage paid, for **$3.00,** to any part of the United States.



Rigid Bracket, adjustable to either Post or Fork; Ball and Socket Joint, 50c. extra.
Absolutely Wind Proof.
Will not Jolt Out.
No Solder to Melt.
Fills on Outside Oil Faucet.
Solid Brass, Heavily Nickeled.
Burns Kerosene in Packed Feast.
No Splashing.
Handsome Side Lights.

5½ INCHES HIGH.

New York. Boston. Chicago. **PLUME & ATWOOD MFG. CO.**
FACTORIES: Waterbury and Thomaston, Conn.

You are dead slow

If you do not place a dozen or more



29 Inches.

23 Inches.
No. 2 or 6 Wheel Stand.
Price, $1.75.

Parker's Folding Bicycle Stands

in different places on prominent thoroughfares in your locality with your "ad." on top. . . .

FRED. HAWLEY,

40 Gold St., New York City.

YOUNG'S PATENT PORTABLE BICYCLE STAND



2 Wheel Stand.

Is the best of its type, made to hold one, three, five and seven Wheels. Its largest field of usefulness is on the sidewalks, public and private lawns, for the temporary rest of the Wheels. Merchants provide them for their Customers. Clubs for their Members. Factories for Employees. Schools for their Scholars. Parents for their Children, etc. Send for descriptive circular.

Partial Price List:

2 WHEEL STAND. $1.25 5 WHEEL STAND, $2.50
3 WHEEL STAND, $2.00 7 WHEEL STAND, $3.00

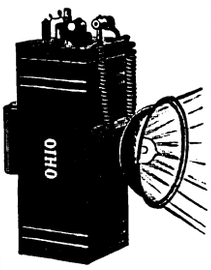
Liberal Discount to the Trade.

Lawn Cycle Stand Mfg. Co.,

Morristown, N. J.

WE UNDERSELL ALL.

It gives a Light that's White and Bright,
And two cents is the cost per night.



Bicycle Elec. Lights.	$4.0
Necktie Elec. Lights.	1.50
Edison Elec. Motors.	1.75
Battery Fan Motors.	5.00
#8 Medical Batteries.	3.75
$100 Bicycles, best make	30.00
$1.25 Bicycle Bells....	.50
Electric Bells, finest.	.50
Dry Batteries, best..	.25

Discount to Dealers.

Our Bicycle Electric Light is the best thing that ever happened. . . . . Catalogues free.

OHIO ELECTRIC WORKS, CLEVELAND, O

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WYNNEWOOD TANDEM AT $100.

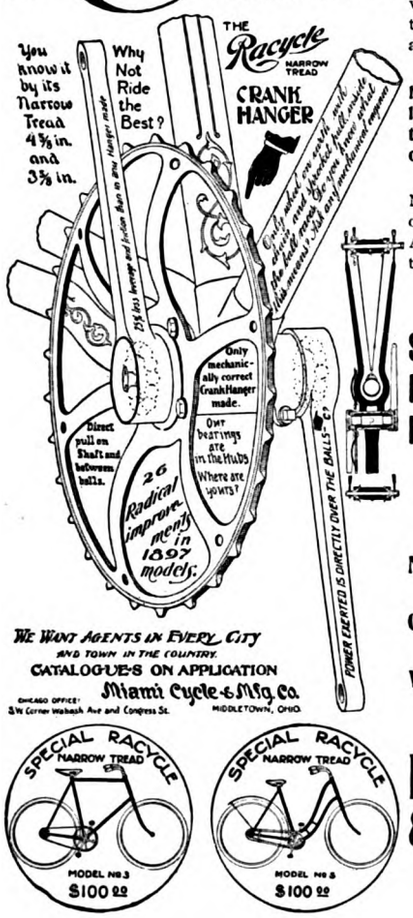
Catalogue . . . Now Ready.

GOOD AGENTS WANTED.

Wynnewood BICYCLES AT $75, $60, and $50.

A. M. Scheffey & Co., 92 READE STREET, NEW YORK.

THE Racycle NARROW TREAD



$1000.00 IN CASH

Will be paid to the first one who can demonstrate that the following assertion is not a fact:

The Racycle Crank Hanger has from 20 to 30 per cent. less pressure on its bearings than the Crank Hanger of any other Bicycle on the market.

All infringements barred. No bicycle considered without the consent of the maker. Address all communications to RACYCLE, Middletown, O.

Special Racycles, $100
Racycles, - $75
Bicycles, - - $50

SEND FOR CATALOGUE.

New York Agency, 108 Fulton St.
Chicago Agency, 323 Wabash Ave.
Wash., D. C., Agency, Thomas Circle.

WE WANT AGENTS IN EVERY CITY AND TOWN IN THE COUNTRY.
CATALOGUES ON APPLICATION
Miami Cycle & Mfg. Co.
CHICAGO OFFICE: S.W. Corner Wabash Ave and Congress St. MIDDLETOWN, OHIO.

Miami Cycle & Mfg. Co., Middletown, Ohio.

To Bicycle Riders.

WE MAKE OUR TUBE OF FIFTY CARBON STEEL

Because a Tube like this of our .50% CARBON STEEL Is just as strong as a Tube like this of .25% CARBON STEEL

While weight for weight in a Bicycle our FIFTY CARBON Steel will last so long [redacted] and TWENTY-FIVE CARBON Steel will last only so long [redacted]

NOTE THE FULL IMPORT OF THE PARALLEL LINES.

The comparison which they graphically make indicates the result of the prolonged investigations of the most practical experts of the world.

That the tests in our own laboratory corroborate these results is merely so much to its credit; that the same is true of actual trial on the road equally proves the trial to have been made in bicycles of correct design and construction. THE FACT REMAINS.

The margin of safety is greatly increased by the use of this tube. Every bicycle manufacturer should use it; every dealer should insist on having it; every rider should demand it. Send for catalogue.

THE POPE TUBE CO., Hartford, Conn.

BICYCLES

. . . Manufactured by

Ames Mfg. Co.

HIGH AND MEDIUM GRADES,

$100, $85, $75, $60.

Send for Catalogue.

ADDRESS [redacted]

AMES MFG. CO., Chicopee, Mass.

LACLEDE & HERCULES BATTERIES



For Door Bells, Telephones, and Annunciators.

WARRANTED stronger and longer lived than any other Sal-Amoniac Battery made. . . . . .

MADE ONLY BY

PERU ELECTRIC MFG. CO.,

PERU, IND

ALSO MAKERS OF

ELECTRICAL PORCELAIN

OF ALL KINDS

Send for Catalogue.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Augusta, Wis.—H. F. Eichler.

Barnesville, Minn.—W. L. Harrison.

Becker, Minn.—F. Brasie.

Campton Village, N. H.—John L. Varnum, of Ashland, will open new store here.

Courtland, Minn.—G. W. Schlottman.

DeGraff, Minn.—Jas. Clemmer.

Delavan, Ill.—Smith & Moorhead.

Denison, Texas. — Hall-Leeper Hardware Co.

Elgin, Ill.—Smith, Orton & Moore.

Finley, N. D.—R. I. Simonson & Co.

Hoffman, Minn.—G. Aamoth.

Los Angeles, Cal.—Russell Hardware Co.

Martinez, Cal.—Blum Bros. & Co.

Mount Morris, Mich.—Algoe & Miller, of Flint, open a branch store here.

New Waterford, Ohio.—J. W. Kinner & Son.

Ortonville, Minn.—C. F. James.

Osman, Ill. — L. N. Dalburg will start soon.

Raymond, Minn.—Goodenow, Winter & Enkema; branch store.

Sacred Heart, Minn.—P. M. Anderson.

Thorntown, Ind.—C. H. Beach & Bro.

Wellington, Kan.—The Gelino Hardware Co. has been incorporated by William Gelino and others. Capital stock, $5000.

Williamsburg, Mich.—Charles Will.

Changes and Removals.

Augusta, Mont.—F. Dauffenbach; stock sold to H. F. Eichler.

Bad Axe, Mich.—The Saginaw Hardware Co. has gone out of business; stock has been purchased by W. Hawks, of Fort Austin, who will remove it to that place.

Bancroft, Mo.—Wood & Ogden, succeeded by Melvin White.

Beattie, Kan.—O'Neil Bros. succeeded by Bell Bros.

Bedford, Iowa.—The Bedford Hardware Co. Business has been purchased by D. D. Doran & Son, who will handle furniture also.

Brownsdale, Minn.—A. L. Tolletson & Co. will sell out business.

Chatfield, Minn.—Chermack Bros. & McGrew; Joseph Chermack will withdraw from the firm.

Cottage Grove, Ore.—Register R. M. Veatch, of the land office at Roseburg, has purchased a half interest in the branch store of the Griffin Hardware Co. The firm will hereafter be known as Griffin & Veatch.

Duquesne, Pa.—George J. Rudolph sold out.

Durango, Col.—The People's Hardware Co. have shipped the remainder of their stock to Silverton, and Mr. Bollinger, the manager, will have the company ready for business at once, occupying the old Fred. Sherwin store.

Galena, S. D.—The new block for S. T. Voorhees is rapidly approaching completion.

Gallatin, Tenn.—Ellis & Soper sold out to J. T. Reynolds.

Hudson, Mass.—John C. Holden and John H. Robinson, the Hardware dealers who dissolved partnership recently, have patched up their differences, and formed a new firm under the old name of Holden & Robinson.

Jamesport, Mo.—Richard Isherwood has bought the stock of Hardware formerly owned by William Moran, of Gallatin, and will move it to this place.

Los Angeles, Cal.—C. W. Metler & Co., of San Bernardino, are doing well with the store recently established here.

Lyons, Ind.—H. Soames & Son; succeeded by R. O. Law.

Mackinaw, Ill.—George Smith has disposed of business to Gus. Metzler, of Stanford.

McConnell, Ill.—F. R. Man is building an addition to his Hardware store, which he intends using as a tin shop.

Mechanicville, N. Y.—Baker & Bunce have dissolved, Mr. Baker continuing the Hardware business, and Mr. Bunce the plumbing department of the old establishment.

Neoga, Ohio.—Shaffer Hardware store; half interest purchased by W. Cass Stevens.

North Bend, Neb.— Harvey I. Adams; succeeded by W. H. Seevers.

Park Rapids, Minn.—Tennis & Plummer; business purchased by Fuller & Denning.

Pawtucket, R. I. — Duffy Bros. have moved into their new quarters in the Smith building, Main Street, and will soon be able to display as fine a stock of Hardware, etc., as any store in the State.

Perham, Minn.—Hassler Bros. have dissolved partnership.

Port Jervis, N. Y.—Fred. O. Beattie, of Warwick, has made arrangements to buy an interest in the business of Swinton & Co. Beattie is well posted in the Hardware business, having had a number of years' experience with Ogden & Pelton, of Warwick, and in his new connection will prove a hustler.

Portsmouth, Ohio.—The Hardware stock owned by W. L. Russell, who was for many years in business on Front Street, is for sale, as Mr. Russell has decided he will not resume business, his store having been closed several months.

Rochester, Ind.—Wilson Hardware store; half interest purchased by J. L. McClure.

Washington, D. C.—The firm name of J. H. Chesley & Co., No. 1004 F Street, has been changed, to facilitate business, to Rudolph, West & Co., making more prominent the names of the partners, who have built the business to its present magnitude.

Waterbury, Minn. — J. W. Smart has moved his business to Wessington Springs, S. D.

Waterloo, Iowa.—Rohenkohl & Newton succeeded by Rohenkohl & Felton.

Westport, Conn.—E. B. Wilcox; succeeded by F. W. Jaynes.

Windsor, Can.—The new brick warehouse to be occupied by Morton & Christie, Hardware dealers, will be erected very soon by Mayor Davis in the rear of his Sandwich Street block.

Withee, Wis. — Thos. Jesperson sold to John Christenson.

Business Embarrassments.

Albany, N.Y.—Gilbert H. Ackerman has assigned to Howard Hendrickson.

Baltimore, Md.—Charles R. Worthington, trading as C. R. Worthington & Co., at No. 110 North Howard Street, has assigned to William H. Bayless.

Brunswick, Ga. — Hoyt Hardware Co.; receiver appointed.

Litchfield, Ill.—The Litchfield Hardware Co.'s store has been closed by the sheriff on two executions issued by the Circuit Court.

Painesville, Ohio.—J. T. Lynch; stock levied on by sheriff to satisfy an old judgment held by Hartley Bros.

San Francisco, Cal.—J. L. Breyer, No. 1183 Market Street, has failed. Liabilities, $1275; assets, $700.

St. Thomas, Can.—G. W. Smiley has assigned to C. B. Armstrong, of London.

Vincennes, Ind.—C. F. Shulz & Son have assigned to O. V. Shepherd. Assets, $12,000; liabilities, $6000.

Burglaries in Hardware Stores.

Arbuckle, Cal.—L. O. Johnson. Loss, $300.

Coeymans, N. Y.—M. B. Holmes. Loss, $200.

Detroit, Mich.—John Glees. Loss, $37.

Geneva, Ohio.—A. F. Miller & Co. Loss, $50.

Milbury, Ohio.—W. J. Bailey. Loss, $15.

Milldale, Ohio.—J. H. Mersman. Loss, $150.

North Wales, Pa.—Frank S. Wise. Loss, $100.

Springfield, Mo.—Gates Hardware Co. Loss, $75.

St. Paul, Minn.—H. J. Teckemeyer. Loss, $100.

Wilmore, Ky.—Thomas Barr. Loss. $150,

Recent Fires.

Allentown, Pa.—E. Ebbecke Hardware Co. Loss, $26,000; insurance, $14,500.

Berea, Ohio.—Charles Elmore. Damage, $300; fully insured.

Bloomfield, Ind.—Grave & Hasler. Loss $4000.

Caldwell, Ohio. — J. E. Smith. Loss heavy; partly insured.

Golconda, Ill. — A. W. Walker. Loss, $8000 to $10,000; insurance, $5400.

Haviland, Kan.—W. M. Wilson. Damage, $4000; no insurance.

Minden City, Mich.—D. Leach. Loss, $1000; insurance, $500.

New Buffalo, Mich.—E. Kruger. Loss not stated.

Orleans, Ind.— Shirley Bros. Damage, $1000.

Ramsey, Ill.—C. F. Bassick & Co. Loss not stated.

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POPULAR STEAK POUNDER

A NEW THING ∴ A GREAT SELLER



Not a Toy, but a Well-Made Tool.
Made of Tool Steel, Oil Tempered.

Send for Particulars Now.

Akron Hdw. & Stamping Co., AKRON OHIO.



EAGLE

Bicycle Pump

MADE WELL!
SELLS WELL!
WEARS WELL!

Fills Tires Quicker
Than Any Other Pump.

Connecting nipples all accurately threaded, and will fit all the well-known tires.

Write for Trade Prices
Special Inducements to the Jobbing Trade.

Henry Haas & Son,
551-553 West 35th St., NEW YORK.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.

BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

PARKS STOVE POLISHING MITTEN.



Best Made.

Write for Prices.

PARKS & PARKS, TROY N. Y.

DYER & DRISCOLL
PATENT SOLICITORS, 36 Wall St., N.Y

Solicitors of Patents, Soliciting Trade Marks for this and Foreign Countries, Caveats, and the Best Facilities.

The Double Cinch Hose Band and Mender

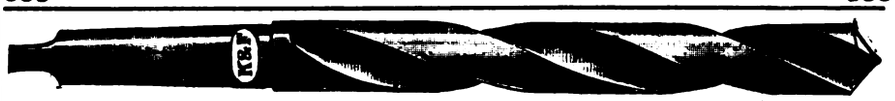


PAT. APL'D. FOR.

Is the best device for this purpose ever invented. This is a broad statement, but is backed by thousands of jobbers, retailers and users. It's a seller, too.

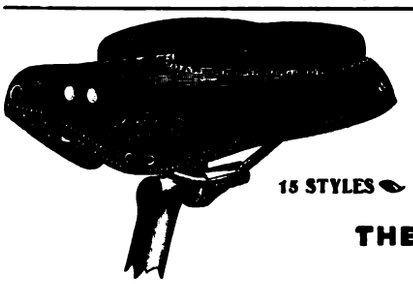
—Send for Prices.—

CLAYTON & LAMBERT MFG. CO., - Ypsilanti, Mich.



KEARNEY & FOOT CO. 100-102 Reade Street, NEW YORK.

The BEST Drill on the market.



LEADERS FOR 1897

. . . THE

B. & W. Saddles

15 STYLES

Absolutely the highest grade on the market. For perfection in design, beauty of finish, quality of material, and comfort in riding they surpass all others.

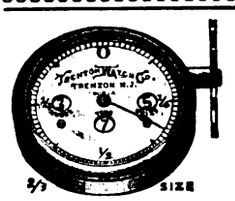
THE BUTLER & WARD CO.,
—NEWARK, N. J., U. S. A.

NIAGARA SILVER CO.,

MANUFACTURERS OF

Silver Plated Flat Ware In new Designs.

Write for Catalogue. Niagara Falls, N. Y.



MODEL F. SIZE

RETAIL DEALERS

Should ask their jobbers for revised prices on Model F—1,000 mile "Midget" Cyclometers. Registers 1,000 miles and repeats. ***Price $1.00.*** You can make money on them, as they out-sell larger models.

TRENTON WATCH CO.,
Trenton, N. J., U. S. A.

The Bicycle Rider Made Happy By Using

THE STODDER PUNCTURELESS TIRE.

Leave your Repair Kit at home.

It is Puncture Proof, Light, Durable Resilient and Speedy.
No Steel Wire. No Leather Strips.

STODDER PUNCTURELESS TIRE CO.,
54 WARREN STREET, NEW YORK.



NEW YORK PATTERN

Buhl Factory and R. R. Milk Cans

WILL OUTLAST ALL OTHERS.

Made of Steel, Perfectly Fitted, Annealed and Tinned. Have the "Victor" Can Breast.
Made in all patterns and sizes.

Every piece of "Buhl" Stock is stamped with the Milk Can Trade Mark. Write for Booklet.

BUHL STAMPING CO.,
DETROIT, MICH.



CHICAGO PATTERN

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Baltimore, Md.—The Keen & Hagerty Mfg. Co. has been incorporated to manufacture tinware and other metal goods. Incorporators are J. S. Hagerty, L. C. Wagandt, J. R. and J. V. Hagerty. Capital stock, $250,000.

Cheshire, Mass.—The Oakman Mfg. Co., of Boston, will begin operations for the manufacture of blown and pressed glass, utilizing the old brick works plant for the purpose. The company organized with Wingate P. Sargent, of Boston, president; James R. Powers, secretary; William Baldwin, treasurer; Samuel Oakman, of South Boston, superintendent. About fifty hands will be employed at first, but eventually the company can use 100 hands.

Denver, Col.—The Pettengill Powder Co. has been incorporated by George D. Kimball and others, with a capital stock of $400,000. They intend operating in Colorado, Arizona and New Mexico, with principal offices in Denver.

Girard, Ill.—Gravity Lock Co. has been incorporated to manufacture Gravity Locks patented by Henry W. Teal, who, with two others, are the incorporators. Capital stock is $10,000.

New York, N. Y.—Hartley Mfg. Co., of New York City, is incorporated to manufacture wire-ring cloth. Capital, $50,000. Directors: Philip Herbst, Cecil Hartley and Harry Mack, all of New York City.

New York, N. Y.—The Air Lighter Co. of New York City is incorporated with a capital stock of $800,000; to manufacture gas tips and burners. Directors: Gustav L. Jaeger, Claude A. O. Roselle, Frederick Falz, G. Osgood Andrew, John J. Roach, William C. Taylor and Wilson P. Marchbank.

New York, N. Y.—The Donaldson-Brown Co. has been incorporated with a capital of $10,000, to manufacture and deal in gas fixtures, etc. The directors are as follows: Joseph Donaldson and C. E. Brown, of Elizabeth, N. J.; T. H. Brown, of Brooklyn; Clinton Van Vliet, of New York, and Edward Morehouse, of Orange, N. J.

North Tonawanda, N. Y.—The Niagara Radiator Co. of this place has been reorganized with Charles F. Walthers, president; John Sedgwick, secretary and treasurer. The capital stock of the company will remain the same as formerly. This company has been operating its works but very little during the past year, and it will be good news to many to know that it intends to resume business. When running on full time it employs about one hundred men.

Portland, Me.—The Atlas Tack Co. has been organized at Portland for the purpose of carrying on the business of manufacturing all varieties of tacks, bolts, etc., with $700,000 capital, of which $300 is paid in. The officers are: President, Henry N. Rice, of Boston; treasurer, Joshua D. Upton, of North Reading, Mass.

South Corinth, N. Y.—A contract for the construction of a novelty factory at this place was closed recently. Dr. Carroll E. Gates is at the head of the enterprise. Work will be begun at once. Hardwood novelties will be made from beech, birch and maple, which are plentiful in that locality. A company of capitalists will build the factory. Dr. Gates holds the patents for the novelties to be manufactured. About 200 men will be employed. G. W. Edwards is the senior member of the concern.

St. Louis, Mo.—The Schwerdtmann Toy Co. has been incorporated by Marie A. Schwerdtmann and others to manufacture toys and specialties. Capital stock, $5000.

Stryker, Ohio.—E. G. Bencler has just established a shop at this place, for the manufacture of large steel tanks and patent post-hole diggers.

Waynesboro, Md.—As the citizens' committee of this town purpose forming a stock company for the purpose, with a capital of $50,000, there is a strong probability that the new tool works of Landis Bros., recently destroyed by fire, will be rebuilt here.

Westfield, Mass.—The H. O. Sprague & Son Co. is incorporated with a capital stock of $10,000. Officers: Henry L. Sherwood, president; Charles S. Axtell, vice-president, and James T. Case, secretary and treasurer.

Winchester, Ind.—The American Mfg. Co. has been incorporated for the manufacture of tinware and wooden articles. The directors are B. F. Hill, C. W. Moore, Nelson Pegg and J. W. Thompson. Capital stock, $125,000.

Improved Conditions.

Bridgeport, Conn. — Wilmot & Hobbs Mfg. Co., manufacturers of stove trimmings, are running their works to their fullest capacity, having so many orders for nickel steel top bands for ranges and parlor stoves.

Charlton City, Mass.—George N. Prouty, the wire manufacturer, is putting up as an addition to his establishment, a new 1½-story building, to be used for the manufacture of wire ferrules, such as are used on brooms, agricultural implements and for other mechanical purposes. The building will be 40x50. Mr. Prouty recently purchased the business of a concern manufacturing these ferrules, near Boston, and has removed the machinery to this place.

East Bristol, Conn.—The shop that Franklin Downs has been building here on the site of the old ivory shop is almost ready for the machinery. The shop will be leased by a stock company that will manufacture bicycle bells and novelties. The bell to be manufactured is protected by patents issued by E. D. Rockwell and C. A. Treadwell.

Elyria, Ohio.—The factory of the Western Automatic Machine Screw Co. is employing about one hundred men. This is one of Elyria's old reliable stand-bys. Considering the number employed and the few long "shut-downs" which it has experienced, none of our industrial institutions out-rank it in value to the city. Although the work is now largely in bicycle parts, a marked increase in other lines of work is reported.

Humberstone, Ont.—As a result of the new tariff, the town is going to lose its chief mainstay, the Ontario Silver Works, one of the products of the natural gas belt. All orders for material have been canceled in the cutlery department, and as soon as the goods on hand have been completed the plant will be shipped to Muncie, Ind.

Kansas City, Mo.—The Great Western Stove Co. has purchased the ground immediately east of its plant, having a width of forty-four feet and running across the entire block. The ground has been occupied as a part of the bridge works plant.

Keene, N. H.—The plant and business of the Keene Mfg. Co. has been sold to the Union Hardware Co., of Torrington, Conn. The plant is situated at Marlboro, and manufactures skates, etc. It will be removed to Torrington. The capital of the Keene Mfg. Co. is $50,000.

Middletown, Conn.—The J. H. Chapman Co., manufacturers of saddlery Hardware, etc., have given out contracts for a new brick factory, to take the place of the one recently destroyed by fire. The building will cost about $25,000, and, it is expected, will be ready for occupancy by September 1.

Middletown, Conn.—The W. & B. Douglas Pump Co., which has been running eight hours a day and four days a week, are now running full time.

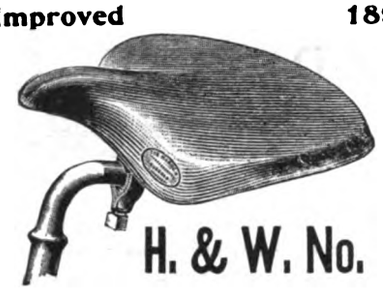
New Haven, Conn. — The Andrew B. Hendryx Co. announce that they have purchased the foundry and good will of Henry E. Preiss & Co., of this city, and are now prepared to supply bronze, brass, aluminum and white metal castings. Both members of the firm of Preiss & Co. have entered the employ of the Andrew B. Hendryx Co.

Waterbury, Conn.—The Mattatuck Mfg. Co.'s new building is soon to be the scene of extensive manufacturing operations. At the present time the new factory is being fitted up with the necessary machinery and in the course of a couple of weeks the work of making furniture nails will be begun. Automatic machinery will be used, the power to be derived through a stream of water. The new building, which stands on the site of the old shear shop, is a large and commodious one and will be in every way convenient for the work which the company desires to do.

Waukesha, Wis.—The Malleable Iron Co. is considering the question of building additions that would increase the capacity of the plant 50 per cent. The improvements contemplated include an addition to the foundry building, 100 feet long, an addition to the furnace building, 50 feet long, a new annealing furnace, etc.

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The Improved For 1897



H. & W. No. 14

Hinge Spring

COMMON SENSE SADDLE.

The most comfortable Saddle on the market.

7

Different Styles.

MANUFACTURED BY

The Harden Saddle & Specialty Co.,

TOLEDO, OHIO.

Write for Catalogue and prices.

"Sanitary" Ventilated Lunch Boxes.



These boxes are made under our patents, are made of tin, japanned the color of paper boxes, can be cleaned out, are tight, ventilated and will outlast many paper ones.

ENNIS SPECIALTY CO., Sole Mfrs., TROY, N. Y.

JOB LOTS OF HARDWARE

I buy and sell in any quantity complete lines of HARDWARE. MANUFACTURERS having JOB LOTS will find me a ready purchaser. RETAIL DEALERS will find my prices lower than any house in the business. . . .

A. N. JACOB, 491-493 Broadway, NEW YORK.

Hastings & De Baun,

HARDWARE MANUFACTURERS' AGENTS,

124 Chambers St., New York.

NEW YORK OFFICE OF

THE PHOENIX HARDWARE MFG. CO.
MASON & PARKER. J. B. TATEM & SON.
THE BARNES TOOL CO. E. LOUD MFG. CO.

BICYCLE RIDERS ARE LOST

Without a pair of



Thiem's Patent Adjustable Toe Clips.

They give double driving or double stopping power. 200,000 pair in actual use.

THIEM & CO., Sole Mfrs., ST. PAUL, MINN.

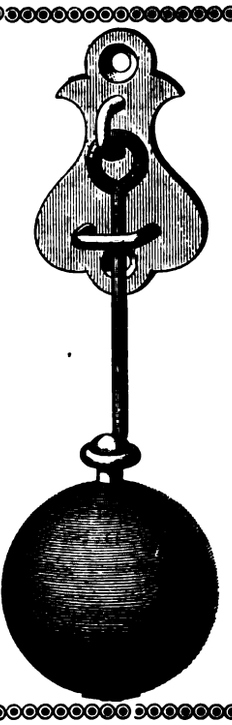
GEO. F. TAYLOR'S SONS,

80 PINE STREET,

NEW YORK.

BONE BLACK

For Tempering and Filtering Purposes.



Do you sell it?

Sargent & Co.'s NO-SLAM Screen Door Check, a practical device for preventing the slamming of Screen Doors. Can be used on any Screen Door in connection with any Doo Spring or Spring Hinge. It will pay you to send for prices. The NO-SLAM is a

Summer Necessity.

SARGENT & COMPANY.

NEW HAVEN, CONN.; AND NEW YORK.



A Great Seller!

At a Good Profit.

Pike's Quick Edge Pocket Knife Hones, in display box, a practical sharpener for knives and scissors.

Send for Prices.

Scythe Stones, Oil Stones, Razor Hones, Etc.

THE PIKE MFG. CO.,

Pike Station, N. H.

REMEMBER THAT

DIAMOND CHAINS

Are fitted with the ONLY PRACTICAL HARDENED RIVET MADE and don't fail to specify them when ordering wheels. . . . .

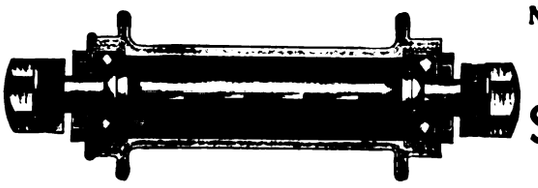


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SIMPLE SOLID SENSIBLE TIGER Bicycles.



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THREE GRADES,

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STODDARD MFG. CO., Dayton, Ohio.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Albany, N. Y.—G. V. & F. W. Cameron, Hardware, etc., have added a line of bicycles, etc. They have removed to their new store at No. 284 Central Avenue.

Albert Lea, Minn.—The Albert Lea Bicycle Co., organized by Cryor Bros., is a new bicycle firm.

Alexandria, Minn.—G. S. Spaulding, bicycles, has gone into the bicycle business in a wholesale way.

Atwater, Minn.—E. J. Swedlund, bicycles, will commence business.

Bethel, Vt.—Mr. Peet, of Keene, N. H., contemplates establishing a bicycle rim factory in this city. About $3500 has already been pledged toward same.

Buffalo, N. Y.—The Union Cycle Works have been incorporated by Arthur F. Lobouse, James Darrajle, John Stahl, Charles Mosher, Harry H. Bolton, George E. McCann and Herman Heinrich. Capital stock, $20,000.

Charleston, S. C.—The Southern Cycle Supply Co. has been incorporated by Wm. R. Welch, Robert H. Simons and Fred. R. Lett, to do a general bicycle business. Capital stock, $8000.

Chicago, Ill.—A. Koellman, No. 218 Chestnut Street, desires addresses of manufacturers of bicycle parts, such as chains, rims, spokes, etc.

Detroit, Mich.—H. A. Strassburg, bicycles, has opened new store.

Douglas, Wyo.—The Florence Hardware Co. has been incorporated with a capital stock of $20,000. They carry a line of Hardware, sporting goods, etc.

El Reno, Okla.—The Bonebrake Hardware & Implement Co. has been incorporated, with a capital stock of $25,000. The business is the wholesaling and retailing of Hardware, sporting goods, etc.

Fitchburg, Mass.—Iver Johnson's Arms & Cycle Works have opened uptown retail bicycle store at No. 200 Boylston Street, Boston, Mass.

Hankinson, N. D.—Bert Russell, livery, has added a line of bicycles, and will rent out same.

Indiana, Ill.—J. O. Calvin, Hardware, sporting goods, etc., has opened a new store.

Leonardville, Kan.—S. Thompson, Hardware, sporting goods, etc., has commenced business.

Litchfield, Conn.—The Litchfield Mfg. Co. has been organized to manufacture sporting goods, wood turning, etc.

Mason City, Iowa.—Paine & Buirge, bicycles, will open up new store for the sale of bicycles. They will handle the Ide and Patee wheels.

Montreal, Can.—J. A. Pitts, bicycles, has commenced business. He is agent in Canada only for the "Howard" bicycle, manufactured by the E. Howard Watch & Clock Co.

Putney, Vt.—E. S. Munger has taken the agency for the Columbia and Hartford bicycles.

Pottstown, Pa.—The Modern Age Bicycle Co., will locate its plant here. The officers of the company are: President, James P. McNichol; secretary and treasurer, W. F. Wilkins; manager, H. D. Boeyer. The company has purchased the plant of the Pottstown Nickel Plating Co., and commenced operations May 1st.

St. Johns, Que.—J. C. Racicot, jewelry, has added a line of bicycles.

Temple, Tex.—Simkins & Martin, bicycles, will be continued under same name by I. D. Martin.

Wadena, Minn.—E. B. Benedict, bicycles, will enlarge bicycle factory and repair shop by new addition.

Washington, D. C.—B. F. Guy & Co., stoves, ranges and furnaces, No. 1005 Pa. Avenue, is preparing to take up bicycles, and is negotiating for the agency of the Old Hickory wheel.

Washington, D.C.—Peter Grogan, dealer in furniture and carpets, on Seventh Street between H and I Streets, has opened an agency for the following wheels: Fast-Flyer, "F. F."; Fast Flying Virginia, "F. F. V."; Druid, Suburban, Postal. The price has not yet been decided on, but the wheels will be sold on the installment plan. They are the product of the Maryland Mfg. & Construction Co., Baltimore, Md., according to Mr. Grogan.

Washington, D.C.—The New York Cycle Co., No. 434 Ninth Street, N. W., have opened an agency "for the sale of unredeemed bicycles." They offer Columbias, Syracuse, Pacers, Ramblers, Spaldings, March, Worlds, Flyers, Niagaras, Shirk, Liberty, Victors, and other makes, for ladies, gentlemen and children. They also exchange or buy outright, and take wheels for storage.

Washington, D. C.—The Uncle Sam Cycle Co., W. H. Waggoner, manager, have opened an agency at No. 610 F Street, N. W., and will handle the Uncle Sam at $40, $50, $60 and $80; the Fairmount, at $50 and $60, and the Reading Standard, at $60, $80 and $100.

Changes and Improvements.

Bridgeport, Conn.—Trustee A. J. Cable, the Liberty Cycle Co., was granted permission to continue the business by Judge Tallmadge of the Probate Court. This is good news for the workingmen employed.

Bridgewater, S. D.—William Savage, Hardware, sporting goods, etc., has removed to new quarters.

Butte, Mont.—R. C. Howell & Co., bicycles, reported to have been succeeded by A. J. Daren.

Chicago, Ill.—Geo. G. Spencer, sales agent for manufacturers of nails, seamless tubes, handle bars, bicycle forks, etc., Rookery, has removed to Royal Insurance building, No. 165 Jackson Street.

Columbus, Ohio.—Manu. Schmidt & Co., bicycles, etc., succeeded by Longstreth, Schmidt & Co.

Hartford, Conn.—Gardner & Kibbe, bicycles, reported to have been succeeded by W. E. Kibbe.

Kasson, Minn.—Howell & Shaver, bicycle repairers, have moved into Stout's building.

Madison, Wis.—Miller & Crook, manufacturers of bicycles, reported to have been succeeded by Harry L. Hall.

Pasadena, Cal.—George H. Frost, bicycles, succeeded by A. C. Herrick.

Philadelphia, Pa.—Blasius & Sons, pianos and organs, have added a new bicycle department. They make a specialty of the famous World wheel.

Riverside, Cal.—Geo. F. Seger, who recently purchased the Hardware and bicycle business of W. P. Lett, has leased the room in the Cosmopolitan building, until recently used as a restaurant, for a cyclery. He has a crew of men at work there fitting the room up, and when contemplated improvements are completed it will make by far the best cyclery establishment that has ever been fitted up in this city. Col. Bill Stuhlman, who knows all about wheels, will be in charge of the new establishment, which will be supplied with dressing rooms, shower bath and all modern conveniences usually found in up-to-date establishments of the kind.

Riverside, Cal.—W. S. Collins, bicycles, succeeded by Collins & Noble.

Sheperdstown, W. Va.—The Sheperdstown Specialty Mfg. Co., bicycle chain works, will increase its capital stock and the capacity of its bicycle chain factory.

Terre Haute, Ind.—Griffith & Miller, sporting goods, succeeded by V. N. Griffith.

Recent Embarrassments.

Anderson, Ind.—Anderson Bicycle Wheel Co.; J. H. Terhune appointed receiver. It was incorporated February 27, 1896, with a capital stock of $150,000, of which $100,000 was issued.

Cherokee, Iowa.—Shardlow & Baker, bicycles, etc., reported to have made an assignment.

Cleveland, Ohio.—U. S. Bicyclists Protective Co., reported to have appointed receiver.

Washington, D. C.—William W. Herron, bicycles, reported sold out by marshal.

Recent Fires.

Indianapolis, Ind.—Mueller & Watson, bicycles, damaged by fire.

Tipton, Ind.—The Laminated Steel Tube Co., manufacturers, destroyed by fire—not insured.

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Deys ringing everywhere."

"Send for Art Catalogue."

NEW DEPARTURE
BICYCLE BELLS.

Widest Range of Styles and Prices.

THE NEW DEPARTURE BELL CO.,
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STERLING BELLS.



One Best THE Sterling.

Bells of all Description.
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N. N. HILL BRASS CO.,
East Hampton, Conn.

Bells.



The bells of the ball on her escort leaned,
And so very happy the dear girl seemed,
That he took her aside to a cozy retreat
And told her the story that's always so sweet.



She perked up her lips, so enticing and fair,
And his own were reaching the heaven that's there,
When she said, "Dear boy, this is only a sell.
You'll first have to buy me that 'Climax' bell."

The new 1897 model "CLIMAX" Bell possesses without doubt the most improved Lock Clamp known. Can be adjusted to the Handle Bar quickly without removing the screw, thus saving all vexatious worriment in the operation, and at the same time presents a more attractive appearance than any other kind of an attachment.

We have just published a handsome little booklet to be carried in the vest pocket, containing lots of valuable information for the benefit of wheelmen. Send us a two-cent stamp and we will mail you a copy.

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High Grade and Low Priced Wheels.
MEN'S, LADIES' and JUVENILES.

NEW MAIL, Highest Grade, $85.

Featherstone and other lines, Medium Priced Wheels, offered as the

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Surely get our quotations before placing your orders. Save you money!

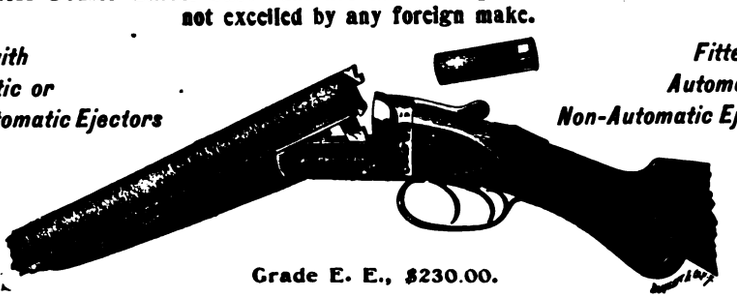
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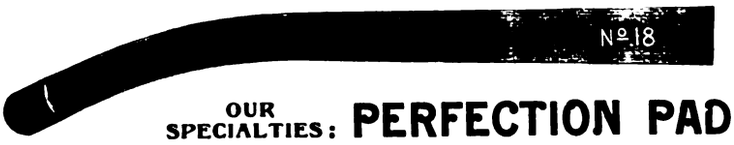
Grade E. E., $230.00.

Guaranteed for Nitro Powders and free from all imperfections. Finest Damascus Barrels, finest quality bird and game engraving, best English walnut stock, checkered sides and goldname plate. Twelve different grades.

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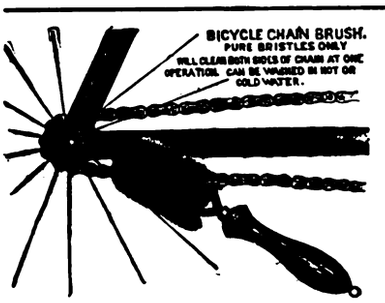


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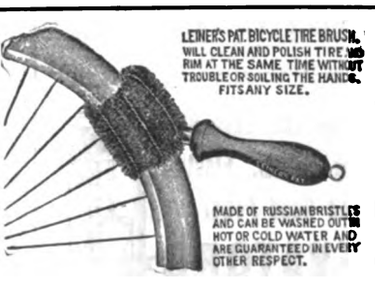
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PROTECTOR REVOLVERS, THE GREATEST NOVELTY OF THE AGE.

Compressed Seam Fork Sides & Handle Bars. *CORRESPONDENCE SOLICITED.*



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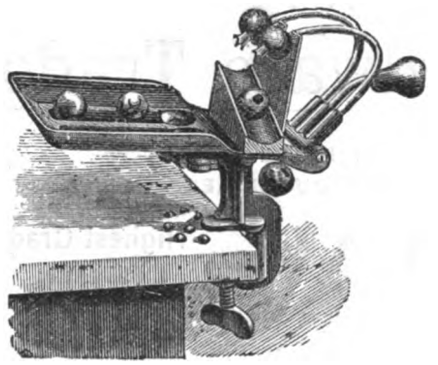
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No other Cherry Stoner does it.



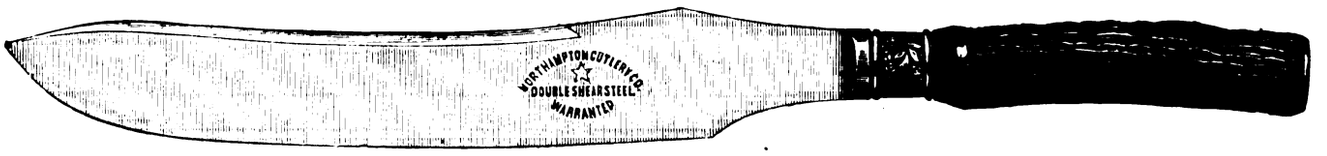
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Barbers Adjustable,
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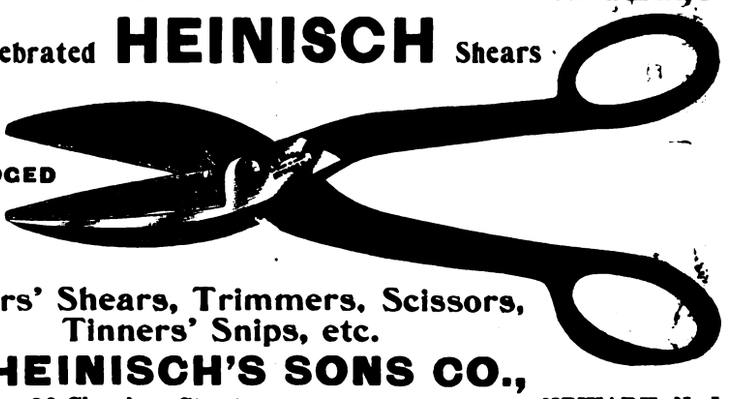
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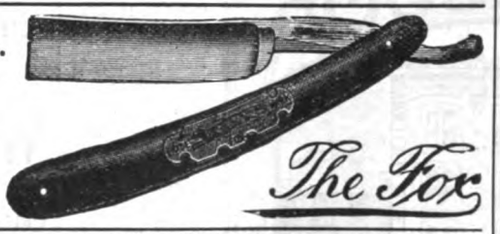
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If your jobber does not keep them write to us. Our samples and prices will interest you.



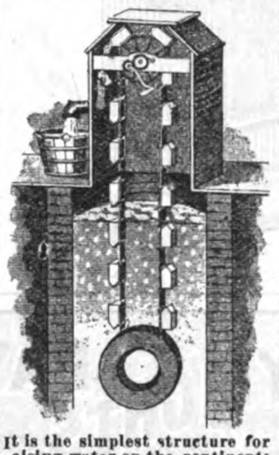
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Best construction. Being adopted by all architects. Easily and cheaply applied. Costs no more than the old-fashioned lap joint. Send for Catalogue.

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Dealers, get in line and sell your trade an article you can guarantee for ten years. The chain or buckets is the principal factor in any elevator. The **Perfection Bucket** is cut by die in one piece of **Black Open Hearth Steel** folded together by double lap seams, and the entire chain **Galvanized** after **Construction.** Others are made of several pieces of galvanized iron soldered together. Simply this one feature is a sufficient guarantee that the **Perfection** has no equal. It is handled by all leading jobbers throughout the world. Call for the **Perfection.** Take no substitute.

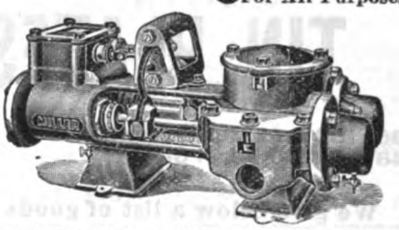
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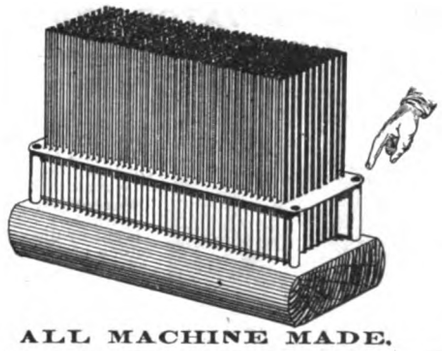
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Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
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Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
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Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
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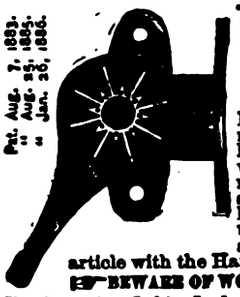
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WM. ROGERS MFG. CO.,

Market Street, - - HARTFORD, CONN.

BEST OF THE BEST in SPOONS and FORKS

is made by

HOLMES & EDWARDS

Silver Plated. Solid Metal.

Send for Circulars.

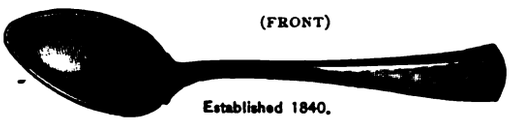
The Holmes & Edwards Silver Co. Bridgeport, Conn.
New York Salesroom. 2 Maiden Lane.

Highest Grade of

Silver Plated Ware

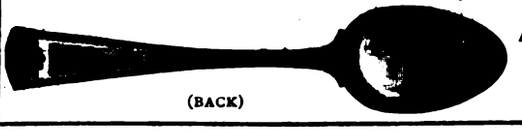
In Spoons, Forks, Etc.

Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.

Write for Catalogue and Prices.

CORPORATE MARK,



JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States.

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of the following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.

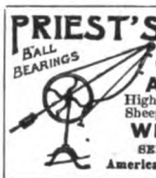


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JOHNSTON'S LIQUID GLUE FOR ALL USES.
1 oz. bottles per gro. $5.00
2 oz. bottles per gro. $6.00
JOHNSTON'S IMPERIAL CARPENTERS' PENCILS.
OVAL, BEVELED, TRILATERAL, HEXAGON.
—HIGH GRADE.—
Price per gro. $5.00.
J. D. JOHNSTON, Newport, R. I.


THE CLEVELAND LAWN WEEDER.
The only practical device on the market. Sample free to Hardware dealers
Write for prices to your Jobber or
The Cleveland Lawn Weeder Co.,
612 New England Bldg., Cleveland, Ohio.


HOUSEFURNISHING HARDWARE & HARDWARE SPECIALTIES.
Basting Spoons, Cake Turners, Mincing Knives, Ice Tools, Tack and Nail Hammers, Hatchets, &c. Champion Cross Cut Saw Handles, &c.
KNAPP & PRATT MFG. CO.,
GENEVA, OHIO.

PRIEST'S CLIPPERS

BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

—ESTABLISHED IN 1874.—
ROCKFORD TACK COMPANY, ROCKFORD, ILL.
MANUFACTURERS OF
HIGH GRADE "Hardware" List of Tacks, Nails, Brads &c.
Also a full line of Shoe Finder's Tacks and Nails.
—Orders Solicited.—
Prices and terms quoted promptly on application


Star ★ Lathes
Foot power
Screw cutting
Automatic
Cross feed
9 and 11-inch Swing.
—New and Original Features.—
Send for Catalogue B.
SENECA FALLS MFG. COMPANY,
334 Water St., Seneca Falls, N.Y.

What Every Family Needs.
Pure Washed Filteration Quartz, free from all mineral impurities. Can be used in any filter or through cloth. . . Sold only by
The New England Filteration Co.,
564 Washington Street, Boston.

TURNBUCKLES.

MERRILL BROS.,
466 Kent Avenue, Brooklyn, E. D., N. Y.

If you would use only the best use
Barnes National Writing Ink and Mucilage.
BARNES NATL. INK CO.,
NEW YORK & PHILADELPHIA.

BEEN WITH YOU FROM THE BEGINNING.
Union Metallic Cartridge Co., New York. [Ammunition]: We have been with HARDWARE as advertisers from the beginning and expect to continue.



BEST INVESTMENT EVER MADE.
Divine Bros., Utica, N. Y. [Buffing Wheels]: Our advertisement in HARDWARE was the best investment we ever made in the advertising line.

Hardwaremen's Exchange.

Notices of ***HELP WANTED*** *or* ***SITUATIONS WANTED*** *will be inserted in this column free of charge. Should not exceed Four Lines.*

ALL OTHER NOTICES, *twenty-five cents per line.*

Help Wanted.

WANTED—A traveling salesman, who is thoroughly familiar with gas and oil stoves. To one who is thoroughly competent, a splendid opportunity.
Address PRIMUS COOKING & HEATING APPARATUS CO., No. 197 Fulton Street, New York.

RESIDENT agents wanted in all parts of the country to handle fastest selling and best paying Hardware specialty on the market. Address with references, stating territory desired, etc., MANUFACTURER, care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

RAZOR manufacturing foreman desires to change location; 21 years' experience. Any good cutlery concern wishing to make their own razors, might increase their profits by addressing RAZOR MAKER, care HARDWARE, No. 143 Chambers Street, New York.

A MIDDLE-AGED man of an extensive acquaintance in Eastern North Carolina wishes a position as a traveling salesman of Hardware; can command a good trade. Address L. R. LAND, Norfolk, Va.

A TRAVELING salesman with seven years experience in builders and general Hardware; can furnish A1 references as regards ability and integrity. Address A. P. H., care HARDWARE, No. 143 Chambers Street, New York.

DIE-MAKER—Position wanted A1 practical die and tool maker, well up in all latest improved dies and tools for novelty or general Hardware, Dies for Blanking, Drawing, Stamping, Forging, Piercing, etc., for all sheet metals as Brass, Iron, Steel, Aluminum, etc., well up in modern shop methods to increase production; can design and develop ideas; have had ten years' experience in best shops of Massachusetts and Connecticut. Can accept first week in May. Best of references as to ability and character. Address DIE MAKER, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Situation as house or traveling salesman with Hardware or bicycle house. Fifteen years in retail Hardware and six with bicycles. Also have traveled a little. Can give best of reference. Address L. B. 84, Castile, N. Y.

WANTED—Thoroughly experienced bookkeeper, correspondent or office man desires position with responsible wholesale or retail firm Address J. G. R., box No. 533, Lake Mills, Ia.

WANTED—By young man a position in wholesale or retail Hardware store, inside or outside. Have had six years' experience; can give all references; speak German and English. Address RELIABLE, care of HARDWARE, 143 Chambers Street, New York.

YOUNG man, 21, over six years' experience in offices of large Hardware concerns. Best references. Good writer and figurer. Ambitious. Address A. B. H., No 41 East 106th Street, New York City.

YOUNG man (28) practically experienced in manufacturing and selling metal ware, moderately familiar with important European languages, wants position with concern intending development of foreign trade Willing and able to do any other work in addition when desired. A. M. ENERGETIC, care HARDWARE, No. 143 Chambers Street, New York.

WANTED position with wholesale Hardware house, or stove manufacturer, as traveling salesman, or grocery house. Have had experience, especially on the road. Best of references furnished. Address M. U. N., care HARDWARE, No. 143 Chambers Street, New York.

AS clerk or bookkeeper in general retail Hardware store; seven years experience. Address SEELEY, No. 302 Pine Street, Towanda, Pa.

SALESMAN well known to the retail Hardware trade of Philadelphia, would like a position to represent either a New York jobbing house or Eastern manufacturing. Address E. A. W., care W. J. Lockhart, No. 235 North Ninth Street, Philadelphia, Pa.

WANTED—By experienced Hardwareman, aged 24, a position as indoor salesman. First-class reference. Active, energetic and industrious. W. T. CLARK, No. 354 Giddings Avenue, Cleveland, Ohio.

WANTED by a practical metal pattern maker. First class on ornamental work, and a good chaser. An expert on cored work. Nine years' experience as foreman, and competent to design and make dies, tools, jigs, etc.; to manufacture specialties in the most economical manner. Reference. Address MECHANIC, care of J. W. Leix, No. 717 Clinton Street, Ottawa, Ill.

THOROUGHLY experienced bookkeeper, correspondent or office man desires position with responsible firm. Best of references Address J. C. H., P.O. Box 261, Rochester, N. Y.

DESIRED by a practical Hardwareman a permanent position with some live house. Understands thoroughly builders' Hardware and mechanics tools. Salary moderate; reference of the best. Address PRACTICAL, care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS


For fastening all kinds of structure to brick and stone work
Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue B. Toledo, Ohio.

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Situations Wanted.

A COMPETENT clerk or salesman; ten years' experience; age, 26 years. Can speak German. Address L. SCHOEN, No. 16 Fourth Avenue, New York City.

POSITION as foreman in a room. Understands how to handle help to the best advantage. Have had experience in hydraulic press work. Thoroughly understands steam, water and hydraulic pump fitting. Address FOREMAN, care HARDWARE, No. 143 Chambers Street, New York.

A TRAVELING salesman with nine years' experience in builders' and general Hardware, desires a position in a wholesale house. Is willing to travel, having traveled through Pennsylvania. Is 28 years old and strictly temperate. References. Address CHARLES JONES. General Delivery Post-office, Philadelphia, Pa.

A MAN of long experiense in the Hardware business desires a position with a manufacturing concern, preferably builders' Hardware; has held position of responsibility and in managerial capacity. Address B. H., care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted.—A salesman well known among the Hardware export, housefurnishing and department store trade is open for engagement. Address H, care of HARDWARE, No. 143 Chambers Street, New York

WANTED a position as stenographer by a lady who has had over five years' experience with a large Hardware jobbing house. Best of references given and required. Address F. E. W., No. 723 Church Street, Lynchburg, Va.

AN A-1 metal pattern maker, experienced in various lines, desires situation. Address PATTERN, care HARDWARE, No. 143 Chambers Street, New York City.

SITUATION wanted.—A practical Hardwareman; been four years with a first-class house as price and discount clerk; a rapid and accurate figurer; a hard worker; references first class. Address DISCOUNT, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—BY young man 29 years of age; has had ten years' experience in wholesale builders' and general Hardware, in or outside position with wholesale or extensive retail store. Address RUSSELL, care HARDWARE, No. 143 Chambers Street, New York.

A GENTLEMAN of good business capacity with executive ability, twenty years in general Hardware, desires a position with some wholesale or manufacturing concern; competent as salesman, buyer or manager; fully acquainted with office duties, the details of a large business, and accustomed to handling help. Willing to go anywhere. Satisfactory references. Address F. A. G., P.O. Box 247, New York.

YOUNG MAN of 23, with six years' experience in Hardware business (Chicago), would like position in tool or builders' Hardware line, latter preferred; best of references. Address C. S., care HARDWARE, No. 143 Chambers Street, New York City.

Side Line Wanted.

WANTED—To represent manufacturers of Hardware and woodenware specialties by a man visiting every wholesale Hardware and woodenware house between New York and the Missouri, on salary or commission. Address 2030 Franklin, care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman wishes one or more good side lines for the New England States. Will start about the 10th of March. Trade visited: Hardware, Harness and Carriage repositories, Clothing stores. A1 references. Address MONITOR, No. 402 Bronson Avenue, Rochester, N. Y.

A WELL-KNOWN firm, representing several factories as New York office, wishes to add at least three good lines either on commission or salary. Address MANUFACTURERS' AGENT, care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN calling on the Hardware and drug trade can learn of a profitable side line by addressing F. O. X., care HARDWARE, No. 143 Chambers Street, New York.

WANTED.—Side line, by salesman calling on the Hardware trade. Address M. A. N., care of HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WANTED a Commission House to market in the United States a Hardware Specialty. Address Box 255, Perth, Ont.

SALESMAN wanted who calls on the retail Hardware and drug trade in New York State and Pennsylvania to sell a line of Razors Strops as side line. Address "B," care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

SALESMEN wanted visiting the Hardware trade, to sell a high grade metal polish. Good inducements. Address CROSS, care T. J. Nay & Co., Nos. 18 and 20 Franklin Street, Brooklyn, N. Y.

WANTED—Salesman who goes to the retail Hardware trade through Middle and Southern States, to sell the Akron Spirit Level. Address AKRON LEVEL WORKS, Akron, Ohio.

PARKER'S Folding Bicycle Stand—a good seller and profitable. Address F. HAWLEY, No. 40 Gold Street, New York.

WANTED—Resident agents in all cities outside New England to handle a new household device of sterling merit, that sells at sight when shown in practical operation; large profit. CLIMAX MFG. CO., No. 235 Washington Street, Boston, Mass.

Tools Wanted.

COMPLETE set of new or second-hand Tinners' Tools wanted, Stowe's make preferred; must be cheap. Address J. S. RIDENOUR, Jackson, Ohio.

Store Wanted.

TO BUY—Wanted a Hardware store. Address E. I. P, care A. Seelig, No. 10 Second Avenue, New York.

For Sale.

A CLEAN stock of Hardware and stoves in county seat of best agricultural county in Ohio. Established business. Must give attention to other interests. Address "4 NORTH," care HARDWARE, No. 143 Chambers Street, New York.

HARDWARE store for sale; stock all new within three years. Only eight miles from Boston, Mass.; 6000 inhabitants; only one other store of the kind in town; $2000 stock. Will sell at a discount having other business. Address B. A., care HARDWARE, No. 143 Chambers Street, New York.

Attention! Hardware Dealers!

WANTED—Hardware dealers who handle bicycles to write us for particulars regarding Norwood Bicycles. HALL & DOWNING, No. 82 West Broadway, New York.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Agency Wanted.

GENTLEMAN with over twenty years' experience in general Hardware, wishes to correspond with some manufacturers with a view of representing them in the South. Address J. W. JOHNSON, Drawer, Birmingham, Ala.

A MAN of fine experience in miscellaneous Hardware, tinware and housefurnishing goods (is now employed), desires to make changes. Wants to represent best houses. Prefers those who seek all available dealers and make prices "F.O.B. destination." Large trade acquaintance in North and South Carolina. Address STRICTLY COMMISSION, care Carrier No. 7, Charleston, S. C.

A MAN of twenty years' experience in the Hardware business wants to act as direct representative in New York and New England for a few first class manufacturers on salary or commission, presenting such lines to the export and large Hardware trade in that territory. Address D. R., care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a young man with thirteen years experience, to represent some Horse Shoe or Horse-Shoe Nail Manufacturer or Manufacturers' Agent; can furnish best of reference. Address EXPERIENCE, care HARDWARE, No. 143 Chambers Street, New York.

AMERICAN, 29 years old, experienced in business and a salesman, offers his services in Boston and New England on commission basis to manufacturers producing salable line of goods, and in such a thorough representation will be assured. Address H. C. D., care HARDWARE, No. 143 Chambers Street, New York City.

AGENCY WANTED—To represent in New York one or more manufacturers for the domestic and export trade; well acquainted with export commission houses R. B. Thomas, No. 114 Nassau Street, Room 208, New York City.

Rubber Agency Offered.

CYCLE Tires $4.88 pair; best '97's; Durable, Resilient; Full Guarantee. MINERALIZED RUBBER CO., No. 18 Cliff Street, New York.

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WRITE FOR QUOTATIONS

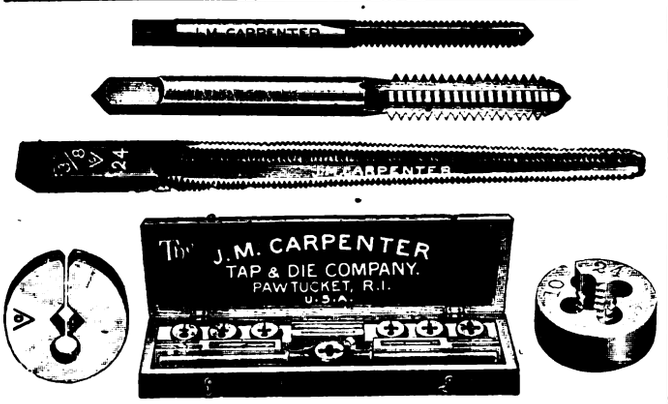


GET OUR PRICES BEFORE ORDERING.

Mention "Hardware."

Headquarters FOR ELECTRIC and PORTABLE Watchman's Clocks.
Lowest Prices. Latest Improvements.
PATENTS 1886-1896.
Write for Price List and Card showing difference between N Y time and local time in all parts of the world
THE "ALERT."
This is a One (1) Station Watchman's Clock Price, with 200 paper dials, complete, - $10
E. O. HAUSBURG, 41 Maiden Lane, New York.

THE GEO. W. STANLEY CO.,
BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails,
Double-Pointed Tacks and Staples.



Send for our CATALOGUE No. 11 B, describing
SCREW CUTTING TOOLS
FOR
BICYCLE REPAIR WORK.

THE WATERBURY
FARREL FOUNDRY
AND MACHINE CO
WATERBURY, CONN. U.S.A.

We have selected a few cuts from our Pamphlet of Miniature Illustrations, and have classified them in a series of small circulars, viz.:
No. 1. Rolling Mill Machinery for sheet metal.
No. 2. Tube and Wire Mill Machinery.
No. 3. Silverware and Coining Machinery.
No. 4. Hardware and Brass Goods Machinery.
No. 5. Bicycle Machinery.
If you are a manufacturer of sheet metal articles you are naturally interested in new machinery, and it will cost you only a two-cent stamp to request us to forward any of the above circulars.

SHOOT BLUE ROCKS.
For Sale by all Jobbers.
Foreign Trade Supplied Direct or Through Exporters.
The Cleveland Target Co.,
Cleveland, Ohio

FOR IMMEDIATE DELIVERY.

Ideal Spanish Felt Wheels,
BULL NECK and CANVAS WHEELS,
WALRUS HIDES,
NICKEL ANODES and SALTS,
C. P. CYANIDE, GLUE,
—TURKISH EMERY—
CROCUS, TRIPOLI, ETC.
We furnish everything for your Plating or Polishing Departments.

THE
Hanson & Van Winkle Co.
NEW YORK.
NEWARK, N. J.
CHICAGO.

"BEYOND CRITICISM."

Wm. Jessop & Sons, New York. [*Steel manufacturers*]: Another five years as proportionately successful as HARDWARE's last will place it almost beyond the criticism of friends or competitors.

"IN YOUR COLUMNS FROM THE FIRST."

Van Wagoner & Williams Hardware Co., New York and Cleveland. [*Hinges, Anvils, etc.*]: Having been represented in your columns almost from the first issue, we have a feeling of pride and pleasure in your achievements.

"WELL PLEASED WITH IT."

Jacob Schmitt, Louisville, Ky.: I am very well pleased with your paper, and find some very interesting reading in it.

"INTERESTING AND INSTRUCTIVE."

Strong, Bush & Handwerk, Joliet, Ill.: Your paper is very interesting and instructive.

"IMPROVES AS IT GROWS OLDER."

Geo. P. Crans, Brooklyn, N Y.: HARDWARE improves in quality as it grows older. I am well pleased with it.

"TOO VALUABLE TO BE WITHOUT."

Charles T. Mitchell, Baltimore, Md.: HARDWARE is too valuable to be without.

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PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—

House Carpenters..... } 40&12½%
Ship Carpenters..... }
Railroad..... }

Ammunition—

CAPS, PERCUSSION—₩ 1000—
M. C. Co. and Hicks, trimmed edge.....47 @ 50c
U. M. C. Co. and Hicks ground edge.....47 @ 50c
Musket, Waterproof, 1-10's..45 @ 50c
G. D.....28 @ 30c

CARTRIDGES—

Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.35&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.. ...$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.10@1.15
B.B. Caps, Com. Ball, Swgd $1.75@1.80

PRIMERS—

Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—

First quality, 4, 8, 10 and 12 gauge 35&10&2%
First quality, 14, 16 and 20 gauge $7.50.....35&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33½&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.. .....65&2%

SHELLS, LOADED—

With Black Powder...40&10&10&5%
With Nitro Powd'r.40&10&10&10&5%

GUN WADS—₩ 1000—

B.E., 11 up.	60c.	B.E., 9&10	70c
B.E., 8	80c.	B.E., 7	80c.
P.E., 11 up.	1.00	P.E., 9&10	1.25
P.E., 8	1.50	P.E., 7	1.50

30&5%

SHOT—

Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.25
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.50
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.00
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$2.00
Dust Shot, 5-lb bags, ₩ bag....$ .50
Jobbers frequently deduct 5@10 cents ₩ bag.

POWDER—

Laflin & Rand:

Orange Rifle ex., kegs	25 lb	$4.00
	12½ lb	2.25
	6¼ lb	1.25
Orange, Special, kegs	25 lb	5.00
	12½ lb	2.75
	6¼ lb	1.50
Orange Ducking, kegs	6¼ lb	2 25

(For 100 lb lots 10% discount.)

Blasting and Mining, A...25 lb 2.25
Blasting and Mining, B. 25 lb 1.50
Laflin & Rand W.-A. Smokeless:
Sing e Canisters.....$1.00
10 Can Drums.....$9.00
Discounts on application.

CANISTER POWDER—

E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.. ..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .35
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12

KEG POWDER—

Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 1.35
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 4.00
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.25
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 4.00
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 2.25
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.25
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 5.00
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.75
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.50
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50
Du Pont Sporting Powder, for lots 1000 lb 10% discount:
Du Pont Smokeless Powder:
Kegs, equal in bulk, to 25 lb Black Powder.....$22.00
Half Kegs, equal in bulk to 12½ lb Black Powder..... 11.25
Quarter Kegs, equal in bulk to 6¼ lb Black Powder..... 5.75
Canisters, equal in bulk to 1 lb Black Powder..... 1.00
Discounts on application.

HARD GRAIN SMOKELESS—

Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

TARGETS AND TRAPS, INANIMATE—

Cleveland Target Co.:
Blue Rocks ₩ 1000 ....$5.50
Expert Traps, each. $5.50
Extension Traps, each.....$4.00

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....₩ doz. $3.80
Galien Safety.. .....₩ doz. $3.75
Hartman's Pivot .....₩ doz. $4.75
Iowa Farming Tool Co.:
Ha keye.....₩ doz $3.25
Western.....₩ doz. $3.75

Anvils—

American "Horse-Shoe"...9¼@9¾c
Armitage's Mouse Hole.....8¾@9¼c
Eagle Anvils, ₩ lb 9c.....15@15&5%
Hay-Budden, Wrought.... 8¼@8¾c
Peter Wright's.....9¾@10¼c
Samson..... 8¼@9c
Trenton.....8¼@9c

ANVIL AND VISE COMBINED—

Cheney Anvil and Vise.....40%
Holt's.....40@40&10%
Millers Falls (with drill) $18.00..20%

Augers and Bits—

Boring Machine .....70&10@75%
Cincinnati Tool Co.:
Bell hangers' bit.....40%
Brace twist drills for metals. 50&5@50&10%
Brace twist drills for wood. 40&5@40&10%
Screw and plug.....25&10&10%
Cleveland Wood Bits for Brace, Style A, No. 114.....50&5%
Common.....70&10@75%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Forstner Pat. Bits.....25%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
Nobles Double Spur, No. 33.70&10%
No. 10 Extension Lip.....40%
No. M Extension Lip pattern car bit.....40%
Pat. Car Bits, No. 10.....40%
Pat. Car Bits No. 30.....60%
Ring Augers.....70&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Russell Jennings' Augers and Bits. 25&10&2½%

HOLLOW AUGERS—

Bonney's Adjustable, No. 4, $14.00, 20%
Cincinnati Adjustable.....25&10%
Cincinnati Standard.....25&10%
Douglass'..... .....33⅓@33⅓&10%
Ives.....33⅓@33⅓&10%
Millers Falls, Goodell....15&7½&10%
Universal, each $4.50.....20%

EXPANSIVE BITS—

C. E. Jennings & Co.....33⅓%
Cincinnati.....35&10&10%
Clark's small, $18.00.....45%
Clarks' Large, $26.00 .....45%
Ives' Model, ₩ doz. $60....50@50&10%
Steer's No. 1, $26; 2, $18.....40%
Stearns' No. 2, $48.....20%
Swan's.....40@40&10%

GIMLET BITS—

Diamond ₩ doz. $1.35.....40&10%
Double Cut, Shepardson's.45&10@ 50&10%
Double Cut, Common, ₩ gro. $2.75 @$3.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ladds'.....70%
C. E. Jenning & Co.:
Double Cut.....70%
German.....50%

BIT STOCK DRILLS—

Cincinnati Tool Co., for wood 40@ 40&10%
Cleveland Wood Bits for Brace 50&5%
Syracuse, for wood.....40%

TWIST DRILLS—

Cleveland.....60&5@60&10%
Morse Twist Drills.....60&5@60&10%
New Process.....60&5@60&10%
Standard .....60&5@60&10%
Syracuse.....60&5@60&10%

SHIP AUGERS AND BITS—

L'Hommedieu's.....15&10%
Snell's .....30&10@40%
Watrous'.....40%

Awls—

Dunlap's Brad.....25%
Dunlap's Handled.....25%
Handled Brad, ₩ gr.....$3 00@$3.25
H'ld Scratch ₩ gr.....$3.75@$4.00
Pat. Peg ₩ gr.....33@35c
Sewing, Com.....₩ gro., 85c@$1.00
Should. Peg ₩ gr.....$1.35@$1.45
Shouldered Brad. ₩ gr...$1.50@$1 65
Socket Scratch ₩ doz....$1.0 @$1.10
Stanley Rule & Level
Handled Brad..... .....40&10%
Patent Pegging.... .....50&10%

Awl and Tool Seats—

Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60&10@60&10&5%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Ice Awls.....55%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18.. 15@15&10%
C. E. Jennings & Co.'s Adjustable Tool Handle, No. 10, $3.50; 45, $4.50; 65, $6 00; 75, $9.00; 175 $10.00 ₩ dozen net.

Axes—

First quality, best brands.$5 00@5.25
First quality, other " $4.50@4.75
Beveled add 50c ₩ doz.

AXES, HANDLED—

Peck's:
Champion Blade...per doz., $12.00
Empire.....per doz., $9.00
Firemans'.....per doz., $25.00

HATCHETS—

Collins.....10%
Findlay Axe & Tool Co...50@50&10%
Hunt's, Underhill's or Blood's... 50@50&10%
Peck's:
Champion Blade.....45%
Empire Brand.....5'&10%
Fayette R. Plumb:
Broad, New List.....40&12½%
Lathing.....50%
Shingling.....50%
Warehouse.....40&12½%
Vulcan Tool Co.....60%

Balances—

Chat llon's:

No.	2000	20	30
₩ doz.	75c	85c	$1.65 net

Circular Balances.....60%
Straight Balances.....50%
Circular Spring Balances.50&10@60%
Common 24 lb.....₩ doz. 80c net.
Ice.....50&10%
Straight Spring balances.50&10@60%

Barrel Drainers—

National.....30%

Beef Shavers—

Enterprise:
Japanned, each, $6.50.....20%
Tinned, each, $7.50.....20%

Bells—

HAND—

Extra Heavy Brass.....65&10%
Light Brass.....70&10%
Globe (Cone's Patent).....40%
Silver Chime.....40%
White Metal.....65&10%

DOOR—

Crank, Cone's.....10%
Gong, Abbe's.....40@40&10%
Gong, Barton's.....40&10@60%
Gong, Yankee.....55&10%
Lever, R. & E. Mfg. Co.'s.60@60&10%
Multi-Stroke.....60%
New Departure.....45@50%

COW—

Common Wrought.....60&10%
Dodge, Genuine Kentucky 70@70&10%
Kentucky, Sargent's List.....75%
Texas Star.....60&10%
Western, Sargent's list.....75%

Bellows—

Blacksmith's.....70@70&10%
Hand.....50&5@50&10&5%
Moulders.....50&5@50&10&5%

Belting, Rubber—

Boston Belting Co.:
"Boston".....50&10&5%
"Imperial," seamless, stitched 40&10%
Cleveland Rubber Co.:
Buckeye.....60&10%
Shield High Grade.....50&10%
War. 3 XL.....40%
Common Standard.75&10@75&10&5%
Extra.....60&10&5@70%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Standard.....70&10@75%

Bench Stops—

Cincinnati..... 25&10%
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&10%
Seymour Smith & Sons..₩ doz. 25, 10@10&10%
Terrell's No. 1 and 2, $3; No. 3, $3.00 ₩ doz.....30%
Millers Falls.....15&10%

Bit Holders—

Angular.....40&5%
Extension:
Barber's, ₩ doz. $15.00.....45%
Ives'₩ doz. $20.00.60&10@60&10&5%

Blind Adjusters—

Domestic..₩ doz. $3..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&5%
N rth's.....10%
Zimmerman's.....50&10@50&10&10%

Blind Fastenings and Tenons—

Austin & Eddy ₩ gro. sets.....$5.50
Gorhans Improved Star Tenon ₩ gro. $1.00.....25%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Millers Falls ₩ set $1.00.....15&10%
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel 60&10@70%
Com. Jap'd Sheaves...70&5@70&10%
Lanes:
Junior, Self Sustaining..... ..3'%
Pat. Automatic.....3%
Perfect Safety.....30%

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Regular Iron Strapped Blocks 70&5@70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c.....70%
Cast Iron Chain.....50&10%
Cast Iron Shutter Bolts.....70%
Ives' Patent Door Bolts...60&10&5@60&10&10%
Wrought Barrel.....75@75&10%
Wrought Square .70&10@70&10&10%
Wr't Shutter, Standard list.....70%
Wr't Shutter, Sargent's list...70%
Wr't Sunk Flush, Sargent's list. 50&10@50&10&10%
Wr't Sunk Flush, Stanley's list 50&10@5 &10&5%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&5%
Window Spring.....75%
Window Spring Bolt Socket.....70%

CARRIAGE, MACHINE, &C.—

Bolt Ends.....80@80&5%
Machine.....75&10@80%
Carriage, Common....75&10@75&10%
Norway Lyon, list Oct '84..50&10@80&15%
Phila., Eagle, list $3.00.....55%
R. B. & W., $2.40 list.....70%

TIRE—

American Screw Co.:
Bay State, Plain list Feb. 26, '96. 75&10%
Bay State, Fluted.....80%
Eagle Phila., list Feb. 26, '96....75%
Norway, Phila., list Feb. 26 '96.80%
Common, list Feb. 28, 83..75@75&10%
Eagle.....85%
R. B. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—

Plow.....60&10&10@70%
R. B. & W., Plow.....60%
Stove.....75&10%

MISCELLANEOUS—

Sink.....75&10%
Sleigh Shoe.....65%

Bone Mills—

Enterprise.....30%

Borers, Tap—

Common and Ring.....20&10@35
Enterprise, No. 1, $1.50; 2, $2.00; 3, $3.00 each
Ives'.....33⅓&5%

Boring Machines—

	Without Augers. Upright.	Angular.
Douglass'	$2.50	$3.00
Jennings'	2.50	$3.00
Millers Falls		7.50 15&10%
Other Machines	2.25	2.50....net
Phillips' Patent with Augers	7.00	7.50
Snell's, Rice's Pat.	2.50	$2.75

Bow Pins—

1¼ inch, ₩ gro.....$4.50@$5.00
2 inch, ₩ gro.....$5.00@$5.50

Boxes, Mail—

Heller's.....40&5%

Braces—

Barber's.....50&10@60&10%
Barber's Ratchet.....60@60&10%
Bartholomew's:
Nos. 25, 27 and 30.....7@75%
Nos. 117, 118, 119.....70&5%
Common Ball American.$1.10@$1.20
Ives':
Barbers'.....60&5%
Barber Ratchet.....60@60&10%
New Haven Novelty....70@70&10%
New Haven Ratchet.60&10&60&10&10%
Spofford.....60&5@60&10%
C. E. Jennings & Co.:
No. 108@11¼.....60&10%
No. 208¼@214½.....60%
Peck's (P. S. & W. Co.)....60@60&10%
Gen. Spofford's.....50&10&5%

Brackets—

Door Screen.....70&10%
Moore's.....70&5%
Shelf, Bradley's Patent.....8%
Shelf, Plain, Regular list.....70&10%
Shelf, Fancy, Sargent's list.60&10@60&10&5%
Window Screen Corner.....70&10%
Reading, plain.....70%
Reading, Rosette.....70%

Bright Wire Goods—

Standard list.....85@85&10%

Bull Rings—

Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%
Sargent's.....80@80&10%
Seymour Smith & Sons.....60%

Butcher's Cleavers—

Beatty's.....40&5@40&10%
Bradley's.....25@30%
Dunlap's Family.....25%
Foster Bros. Flat Hds.....30%
Foster Bros. Round Hds.....40%
L. & L. J. White.....35%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%

Bung Hole Borers—

Enterprise.....25%
C. E. Jennings & Co.:
No. 6.....40%
No. 10.....30%

Butter and Cheese Triers—

Ordinary Black Handle.....25%

Butt and Rabbet Gauges—

Stanley's.....25&10%

Butts—

BRASS—

Cast Brass, Fast Joint....40@40&10%
Cast Brass, Ice House.....40%
Cast Brass, Loose Joint...40@40&10%
Wrought Brass, List Sept. '96.40@40&10.

CAST IRON—

Loose Joint.....75@75&5%
Loose Joint, Japanned....75@75&5%
Loose Joint, Jap. with Acorns, 75@75&5%
Loose Pin.....75@75&5%
Mayer's Hinges.....75@75&5%
Parliament Butts.....75@75&5%
Sargent's:
Fast Joint, Broad.....60&10%
Fast Joint, Narrow,....60@60&10%

WROUGHT STEEL—

List, April 1, 1895.
Bronzed Inside Blind Butts.50&10@50&10&5%
Bronzed, Narrow.....
Fast Joint, Narrow.....
Fast Joint, Light Narrrow....
Fast Joint, Broad.....
Loose Joint.....
Loose Pin.....
Table Butts, Back Flaps, etc..
} 75%

Can Openers—

American.....₩ gross $1.75@$1.90
Champion, ₩ dos. $3.00.....50%
Columbian.....₩ gro. $14.40
Dunlap's Iron Handle, No. 3 ₩ gr. $13.00.....25%
Dunlap's Sardine Scissors, ₩ dos. $5.00.....25%
Dunlap's Wood Handle No.2$1.75.25%
Goodell's Acme, ₩ gr. $3.00; ₩ dos.75c
No. 5, Iron Handle, ₩ gr....$2.00@2.25
Sardine Scissors...₩ dos. $2.00@2.25
Sprague, No. 1, $2.00; No. 2, $2.25; No. 3, $2.50.....70%
Universal, ₩ dos. $3.00.....55&5%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%

Cards—

Cotton.....2@25%
Horse and Curry.....20@25%
Wool.....20@25%

Carpet Stretchers—

Bullard's.....33⅓%
Cast Iron Steel Points, ₩ doz.75@$1.00
Cast Steel, Polished.....₩ dos. $2.25
Dunlap's.....25%
Excelsior.....25%
Socket.....₩ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....
Gold Medal..
Hall.....
Prize.....
Premier.....
Superior.....
Cyco-Bearing
} ₩ doz. $36.00 / $27.00 / $60.00 / $27.00 / $27.00 / $27.00
Crown Jewel, japan finish, ₩ doz $19.00
Crown Jewel, silver bronze trimmings, ₩ dos.....$20.00
Crown Jewel, nickel, ₩ doz. $21.00
Furniture Protector, Japan.....₩ dos. $24.00
Furniture Protector, Nickel.....₩ dos. $27.00
Grand Rapids, Jap...₩ dos. $24.00
Grand Rapids, Nick..₩ dos. $27.00
Housewife's Delight..₩ dos. $15.00
Parlor Queen, Jap....₩ dos. $24.00
Parlor Queen, Nickel, ₩ doz. $27.00
Standard.....₩ dos. $24.00
Lots of 5 dozen $1.00 per doz. less.

TOY LINE—

Baby.....₩ doz. $2.50
Child's.....₩ doz. $3.00
Little Jewel.....₩ doz. $7.00
Little Queen.....₩ doz. $4.00

Casters—

Bed.....60&10&10@70%
Deep Socket.....60@ 0&10%
Giant Truck Casters.....35%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%
Martin's Patent(Phoenix). 60@60&5%
Plate.....60&10&10@70%
Socket Truck Casters..45&10@45&10&10%
Stationary Truck Casters.....50&10%
Store Truck.....55%
Swivel Truck.....60&10&10%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50&5%
Yale Gem.....70&10&5%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@70&10&10%
Peck, Stow & W. Co.....66⅔%
Sargent's.....70&10@70&10&10%

COW TIES—

American.....60&10%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%
Triumph.....33⅓%

Chain—

American Coil, Ass'n base prices.
2-16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾
$6.85 5.35 4.25 3.65 3.10 2.85 2.15 2.05
Covert Saddlery Works:
Breast Chain.....60&20%
Hitching Chain.....6 &20%
Rein Chain.....60&20%
Covert Mfg. Co. Chains.....45%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Galvanized Pump Chain, with Buckets.....5@5½c
German Coil.....60&10@70%
German Halter Chain....60&10@7 %
Jack Chain, Iron.....70@70&5%
Jack Chain, Brass.....70@70&5%
Oneida Halter Chain.....60@60&10%
Plumbers.....60%
Trace, Wagon and Fancy Chains, 60&10@60&10&10%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

Buck Bros.....30%
Charles Buck.....30%
Douglass.....75@75&10%
Hinsdale.....
Mix.....
Ohio Tool Co.....
P. S. & W.....
Sag Harbor Tool Co.....
Swan.....
Winsted Edge Tool Co.....
} 75&10 &5%
C. E. Jennings & Co. No 70....25&10%
Jennings & Griffin Mfg. Co....75&5%
Merrill & Wilder.....60&10%

TANGED AND MISCELLANEOUS—

Box.....60&10%
Buck Bros.....30%
Butchers'.....$4.75@$5.00 to $
Cold Chisels, good quality, ₩ lb. 14c@16c
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges.....40&10%
Spear & Jackson's.....$5 to $
Tanged Firmers'.....50@50&10%

Chucks—

Beach Pat....each $3.00.....30%
Cushman's:
Combination.....40%
Independent.....50%
Morse's Adjustable, each $7.00...35%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks 30%
Skinner's Ind't Lathe Chucks....40%
Skinner's Pat. Comb. Chuck.....40%
Union Mfg. Co.:
Combination.....40%
Independent.....40%
Universal.....40%
Victor, No 1, $8.50; No. 2, $12.50..35%

Clamps—

Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearns'.....30@30&10%
Cabinet Makers, Sargent's....45&10%
Carpenters', Cincinnati.....25&10%
Carriage Makers', Sargent's.. 50&10@50&10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
R. I. Tool Co.'s Wrought Iron....25%
Smith's:
Eccentric.....25%
Splicing.....25%
Splicing Tools.....15%
Warner's.....40&10@40&10&5%

Cleaners, Sidewalk—

Challenge Shank.....₩ dos. $3.25
Star Shank.....₩ dos. $3.50
Star Socket.....₩ dos. $3.75

Clips—

Norway Axle.....70@70&10%
Norway Spring Bar Clips.70@70&10%
Superior Axle Clips.....70&10@75%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....25%
National.....30
The Swift, Lane Bros.....33⅓%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%

Compasses, Dividers, &c.—

Athol Calipers and Dividers.....40%
Bemis & Call Co.'s:
Compasses.....50&5%
Dividers.....65%
Compasses, Calipers, Dividers. 70@70&10%
Wm. Johnson's:
Extension Dividers.....40%
Inside, Outside and Double.....70%
Registering.....50%
Wing Calipers.....70%
Wing Dividers.....75%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%

Coopers' Tools—

Bradley's.....30%
Barton's.....30@30&5%
Beatty's.....33⅓%
L. & L. J. White.....30@30&5%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....30%

Corkscrews—

Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....40%
Humason & Beckley Mfg Co. 40& 10@50%
Samson.....₩ dos $10.00
Williamson's.....40%

Corn Hooks—

Kretsinger Cut-Easy, ₩ dos. $3.00 net

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—

Adjustable.....30%
Counte sink Bits.....40&10%
Shepardson's Diamond.....40@45%
Smith's.....25%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....30%
Dixon's
Eclipse.....₩ gro. $2.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—

Fitch's, List Nov. 20, '96.....25&10%
Perfect.....25&10%
Rubber, ₩ doz. $7.50.....20@20&10%
Southington Cutlery Co.'s List, Nov. '96.....25&10%

Cycle Hangers—

Lane's.....33⅓&5%

Diggers—

See Post Hole, etc.

Dog Collars—

Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%
Medford Fancy Goods Co. list..40& 10@50%
Union Hardware Co. New List. 50&50&10%

Door Checks—

Bardsley's.....30%
Eclipse.....60@60&10%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$25.00

Door Springs—

Champion (Coil)...50&10@50&10&10%
Foster's (Coil).....33%
Gem (Coil), list Oct. '95.....25%
Rubber, complete, ₩ dos. $5.50. 66⅔@70%
Star (Coil), list Oct. '95.....33⅓&10%
Torrey's Rod, 39 in, ₩ doz $1.25@1.35
Victor, Coil.....60&10@60&10&5%
Warner's.....55@55&10%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Adjustable Handle.....40@40&10%
Bradley's.....35%
Douglass.....75@75&10%
Jennings & Griffin.....75&5%
Merrill & Wilder.....60&10%
Mix.....
New Haven.....
P. S. & W.....
Witherby.....
} 75& 10& 5%
Watrous.....30@30&10%
L. & L. J. White.....30&5@35%
Wilkinson's Folding.....25@25&5%

Drills and Drill Stocks—

Automatic Boring Tools..$1.75@1.85
Blacksmiths'.....each $1.75
Breast, Bartholomew's No. 12, ₩ doz.....$16.00
Breast, Millers Falls, each $3.00 15&10%
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....80&5%
Graves Drill Stocks.....40%
Ratchet, Billings' Dble. Acting.33⅓&5%
Ratchet, Ingersoll's.....25%
Ratchet, Merrill's.....20@20&5%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Parker's.....40%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Stearns' Bench.....50@50&10%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓&5%
Wilson's Drill Stocks.....10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

Dover (Standard Co.) No. 10 ₩ gro. $9.50
Dover Extra Heavy (Standard Co.) No 15.....₩ gro. $21.00
Paine, Diehl & Co.'s Keystone..33⅓&5%
Spiral.....₩ gro. $4.25@$4.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$2.00 each, less 50%
Annunciators, $1.50 ₩ drop less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon..6'c ea., less 50%
Batteries, Medical,$3.50 ea., less 50%
Batteries, Dry.....50c. ea., less 50%
Bells, Electric, 2¼, 50c. ea., less 50%
Call Bell Outfit, Electric...$3.00 each, less 50%
Desk Pushes Electric..80c. each. less 50%
Door Springs, Electric...24c. ea., less 50%
Early Riser's Set, Electric..$3.50 each, less 50%
Floor Pushes, Electric...6 c. ea., less 50%
Gas Burners, Electric....5 c. ea., less 50%
Gravity Batteries, $1.00 ea., less 50%
Hydrometers....75c. each, less 50%
Incandescent Lamps..4'c. each. less 50%
Induction Coils, Telephone..6 c. each less 50%
Lead Covered Wire No. 18, No. 16, No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Push Buttons, Wood..10c. each less 50%
Sal Ammoniac...18c. ₩ lb, less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt....24c. each, less 50%
Switches, 3 pt....28c. each, less 50%
Spark Coils, 8 pt..$3.00 ea., less 50%
Spark Coils, 10 pt $4.40 ea., less 50%
Spark Coils, 12 pt.....$5.80 each, less 50%
Tape, Insulating, 80c. ₩ lb. less 50%
Tube, Speaking, $21.00 ₩ 1,000 ft. less 50%
Whistles, Speaking Tube, N. P., 2.00 ₩ doz., less 50%
Whistles, Speaking Tube, Porcelain.....75c ₩ doz., less 50%
Wire Winders, $10.00 each, less 50%
Window Springs, Electric...24c. each, less 50%
Yale Lock Switch, Electric, $2.50 each, less 50%
Zincs, Leclanche...04c. ea., less 5%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ₩ lb.	4½c	5c	8c
½ kegs, ₩ lb.	4½c	5½c	8½c
¼ kegs, ₩ lb.	5c	6½c	8½c
10 lb cans, 10 in case....	6c	6½c	8½c
10 lb cans, less than 10..	10c	10c	8c

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Brass Thread.....60@60&10%
Wood.....35%

Escutcheon Pins—

Brass.....70@70&10%
Iron, list January, 1890.....60@60&5%

Farriers Knives—

"Challenge".....₩ doz. $3.00
Pope.....₩ doz. $3.00
Wilkinson's.....₩ doz. $3.00

Faucets—

Brass Globe Cocks.....60&10%
Brass Racking.....60&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Bohren's Pat. Rubber Ball.....35%
Fenn's Cork Stops.....60%
Frary's Pat. Petroleum.....60&10@70%
John Sommer's Boss Tin Key....50%
John Sommer's Chicago Cork lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Cedar (in bbls.) 50&10%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....60%
John Sommer's No Brand Metal Key.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.40%
John Sommer's Peerless Tin Key.40%
John Sommer's Reliable Cork Lined.....60%
John Sommer's W. P. Metal Key.40%
Star.....60@60&5%
Self-Measuring:
Enterprise ₩ doz. $36.00.....40%
Lane's ₩ doz. $36.00.....40%
National Specialty Mfg. Co....40%

Fibreware—

Standard Fibre-ware Co.

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Buggy Pails, 7 in. high.	2.60		
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt.	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)	1.40	1.70	2.00
Cuspidors, 9x7½ inches, (anti-tip-over)	5.50	6.50	7.00
Dairy Pails, 14 qt.	3.20	3.80	4.30
Fire Pails, 14 qt., stenciled "fire"	3.40		
Fruit Bowls	1.20	1.70	2.00
Keelers, 11½ inch	2.30	2.80	3.10
Milk Pans	1.50	2.00	2.20
Mats, 8½ inch (for table use)	.50	1 00	1.20
Mats, 15 inch (for cuspidores, etc.)	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)	3.00	3.70	4.30
Prison Pails, 16 qt. (with cover)	6.50		
Pitchers, 10½ in. high	4.00	4.70	5.20
Peck Measures	2.80		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt.	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Spittoons, Daisy, 8½ in. (detachable covers)	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers)	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers)	4.00	4.80	5.30
Water Pails, 12 qt.	$3.00	$3.50	$4.00
Waste Paper Jars	3.00	4 00	4.50
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)	1.20	1.70	2.00
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in., (or Wash Bowls	2.30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4.00

Files—

DOMESTIC—

American.....75%
Arcade.....75%
Great Western.....75%
Kearney & Foot.....70&10@75%
Nicholson.....70%
Nicholson's X. F. Files.....33⅓&5%
Second Quality Files.....30@30&10%
Troy File Works:
Files.....70&10%
Rasps.....70%

IMPORTED—

Stubs.....Stubs' list, 25@30%

Filters—

Seed's Water Filters:
A 1, $4.00 — No. 2, $2.50 — No. 3, $1.50 — No. 4, $1.00 ₩ dos.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....20&20%

Fluting Scissors—

List.....45%

Forks—

Champion, Hay, Manure, etc 75&15%
Columbia, Hay.....75&10%
Columbia, Manure.....30%
Columbia, Spading.....30&5%
Hay.....75%
Iowa Farming Tool Co.:
Barley.....40&40%
Manure, 4 tine.....75&10 25%
Manure, 5 and 6 tine.....70&20&5%
Spading.....75&10&5%
Victor, Hay.....75&10%
Victor, Manure and Header.....30%

Freezers, Ice Cream—

Blizzard.....net
Gem.....net
Granite State.....net
Improved Arctic.....net
Keystone, P. D. & Co.....30%
Ohio.....60&10%
Packer's:
Confectioner's Machine.....net
Double Action Standard.....net
Good Luck.....net
Standard.....net
Shepard's Lightning.....net
White Mountain.....net

Fry Pans—

Acme Fry Pans.....70&10%
Polished, regular goods...75@75&10%
Standard List.....75&10@8.%

No.	0	1	2	3	4
₩ dos.	$3.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
₩ dos.	$6.00	$7.00	$8.00	$9.00	

Gas Lighting Burners—

Gem.....₩ doz. $2.50
In lots of 3 dos.....₩ doz. $2.25

Gauges—

Bemis & Call's Steel.....50%
Boss, Screw Pitch.....33⅓&5%
Clapboard.....20%
Marking, Mortise, &c..60&10@60&10&10%
Stanley's.....60&10%
Stanley's Chisel.....25%
Starrett's Surface, Center and Scratch.....25&10%
Copeland Champion Bit ₩ dos $3.00 net
Stubs' Wire and Drill.....20%
Wire, Morse's.....25%
Wire, P. S. & W., low list....10&10%
Wire, Wheeler, Madden & Co....10%

Gimlets—

"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%
"Diamond" Gimlets ₩ gr. $4.00@4 25
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%
"Eureka" Gimlets.60&10@60&10&5%
Metal head.....55%
Nail Gimlets:
Assorted 1, 2 and 3.....₩ gr. $1.50
Assorted 2 and 3.....₩ gr. $1.70
Pod.....55%
Star.....60%
Spike Gimlets:
Assorted 1, 2 and 3.....₩ gr. $3.00
Assorted 2 and 3.....₩ gr. $3.25
Wood head.....50&10%

Glue—

Dodd's Liquid Glue.....25&25&10%
Le Pages Liquid.....25&25&10%

Glue Pots—

Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....60%
Enameled.....45@50%
Tinned.....45@50%

Graters—

Enterprise.....25%

Grindstones—

Family, 6 in.....₩ doz. $4.90
Family, 7 in. and 8 in....₩ doz. $6.00
Family, 9 in. and 10 in..₩ doz. $6 75
Loose Grindstones, 30 to 200 lbs., $7.00 ₩ ton f.o.b. quarry.
Millers Falls.....25%
Mounted Grindstones:
No. 1, each.....$1.65
No. 2, each.....$1.50
No 3, each.....$1.35
New York Pattern.....20%
Ohio Pattern.....10%

Grindstone Fixtures—

Howard Iron Co.....30%
Moore's.....55&10%
P., S. & W. Co.....50&10&10%
Russell & Erwin.....70&10%
Sargent's Patent..70&10@70&10&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ dos. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
'96 List.....60&20%
Upson & Wooding.....40%
Wright's Animal Tether.....30%

Hammers—

HANDLED HAMMERS—

Atha Tool Co.....52&10@60%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....50&10%
C. Hammond & Son. List..40&10@50%
Humason & Beckley.....50@50&10%
Dunlap's Patent.....25%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40&10%
Maydole's.....33⅓&5@40&5&5%
Peck, Stow & Wilcox.....40@40&5%
Fayette R. Plumb:
Artisan's Choice, A. E. Nail.. 40&12½%
Engineers & B. S. Hand....60&15%
Y. & P., A. E. Nail.....40&12½%
Other Brands.....10&10@60%
Sargent's New List.....45@50%
Verree.....50&10@60%
Warner & Nobles New List..25&10%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb...₩ lb 40c
3 to 5 lb.....₩ lb 35c } 75@75&10%
Over 5 lb.....₩ lb 30c
Wilkinson's Smiths....9½c@10c₩ lb

Hammock Ropes—

Covert Mfg. Co.....45%
Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—

Chest Handles, Sargent's..50&10@50&10&10%
Door or Thumb:

Nos.	0	1	2	3	4
Per dos.	$ .90	1.00	1.08	1.35	1.50

50&10@40%
Drawer Handles.....60%
Ring Handles.....70%
Roggin's Latches.....50&10@60%
Shelf Box Handles.....55%
Trunk Handles.....60%
Tub Handles.....60&10%

STORE DOOR HANDLES.—

Bronzed, with Cylinder Lock....50%
Bronzed.....60&10@66⅔%
Japanned, with Nuts.....$1.62
Japanned, with Plate.....$1.10
Japanned, without Plate.....80c

DOOR PULL—

Bar.....60@60&10%
Barn Door.....50&10%
Chest and Lifting.....60@60&10%
Drawer Pulls.....50&10@60%
Plain B. M.....60@60&10%
Push Plates, Sargent's List..60@ 0 &10%
Sash Pull Plates.....70&10%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%

WOOD—

Auger, assorted.....₩ gr. $2.25@2.50
Auger, large.....₩ gr. $3.00@3.25
Auger, Douglass', Pat. ₩ set, No. 1, $1.00; No. 2, $1.40
Auger Ives', Pat. No. 1, 60&10% No. 2 to 33⅓.....4 %
Auger, Swan's, Pat. ₩ set, No. 3, $1.00; No. 4, $1.25.....35&10%
Brad Awl.....₩ gr. $1.75@$2.00
Chisel Worcester Leather Cap'd 1.50
File, assorted.....₩ gr. $1.25@1.40
Firmer Chisel, Apple ass'd ₩ gr. $2.25@2.50
Firmer Chisel, Apple large ₩ gr. $2.75@3.00
Firmer Chisel, Hickory ass'd ₩ gr. $2.00@2.25
Firmer Chisel, Hickory, large, ₩ gr. $2.50@2.75
Firmer Chisel, Socket ass'd ₩ gr. $2 00@2.25
Hammer, Hatchet, Axe, Sledge, etc.....50&2%
Hoe, Rake and Fork 60&10@60&10&5%
Saw and Plane.....40&10@50%
Shovel and Spade, Wood D Hdle. 60@60&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₩ dos. pr. $5....60%

Hangers—

Barn Door, old pattern....60&10@60&10&10%
Barn Door, New England.70@70&10%
Barry, $6.00.....50&10%
Best Anti-Friction.60&10@60&10&5%
Challenge, Barn Door.....50%
Climax Anti-Friction.....55%
Cronk's Roller Bearing, No. 4, $18.00; No. 5, $26.00.....60&10&10%
Cronk's Steel cov'd Loose Axle. 60&10&10%
Davis Parlor Door.....50@50&5%
Duplex (Wood Track).....60&10&5%
Kidder's.....50@50&10%
Lanes Barn Door:
Covered.....60&10%
No. 50.....6' &5%
New Model.....4 &10%
Parlor, Standard.....4' &10%
Standard.....60&10%
McKinney's "None Better," No. 2, $18.00; No. 1 Special, $18.00, ₩ dozen pairs.....60&10%
Moore's Baggage Car Door.....33⅓&5%
Moore's Elevator.....33⅓&5%
Moore's Railroad.....33⅓&5%
Reed's Steel Arm.....50%
Rider & Wooster, No. 1, 63½c.; No. 2, 75c.....40%
Richards' Single Track, Steel.50&10%
Star.....50&10&10%
Stearns' Challenge.....50@50&5%
Sterling's Impr'd.60&10@60&10&10%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
The Boss.....60&10@60&10&10&5%
Universal Anti-Friction.....40%
Victor, No. 1, $15.00; No. 2, $30.00; No. 3 $35.00; No. 4, $35.00.60&10&2½%
Warner's Pat.....20&10&10%

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Wild West, 4 in. Wheel.....50%
Zenith for Wood Track.....55%

Harness Snaps—

See Snaps.

Hasps and Staples—

McKinney's "Perfect," $1.10 ℔ doz.....40&10%
Wrought.....85&10@85&10&5%

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Lightning, from jobbers.$6.00@$6.25
Wadsworth's.....40&5@40&5&5%

Hedge Shears—

Wm. Wilkinson & Sons.....50%

Hinges—

WROUGHT IRON HINGES—

Corrugated Strap and T..75@75&5%
Rolled Blind Hinges Nos. 23 and 24 50&10@50&10&5%
Rolled Plate..... } 70&10@70&10&5%
Rolled Raised.... }
Plate Hinges "Providence" 6 to 12 in. ℔ lb, 5c. 14 to 36 in. ℔ lb, 4c.
Screw Hook and Strap. { 6 to 12 in., ℔ lb..2½c / 14 to 20 in., ℔ lb..2¼c / 22 to 36 in., ℔ lb..2 c
Strap and T..... .....75@75&5%

SPRING HINGES—

Acme.....80@10%
American.....20%
Bommer's.....40%
Bardsley's Patent Checking.....15%
Chicago.....80%
Crown.....20%
Champion.....60%
Devore's No. 1.....℔ gr. $13.00
Geer's Spring and Blank Butts...40%
Gem.....80&10%
Keil's American.....80%
Matchless No. 10.....70%
New Idea, No. 1, ℔ gro.....$7.50
New Idea, No. 2, ℔ gro.....$18.00
Oxford.....80&10%
Rex.....℔ gr. $13.00
Royal Japanned.....66⅔%
Rubber.....66⅔%
Sargent's List 1894:
Bronze Metal.....75&10%
Japanned Surface, Single..70&10%
Japanned Surface, Double.60&10%
Mortise.....55%
Model.....70@70&10&10%
Tuscan Surface, Single.....70%
Tuscan Surface, Double.....70%
Vigilant.....50&10@50&10&10%
Union Spring Hinge Co.'s list, March, 1894.....20%
Union Mfg. Co.....25%
Wiles' No. 1, ℔ gr., $16.00; No. 2, $13.00

GATE HINGES—

Automatic.....℔ doz $12.50, 50%
Common Sense..℔ doz pair $4.50, 50%
Clark's Nos. 1, 2, 3.....70&10&5%
Long's Self Closing.....50%
N. E...℔ doz $7.80.....60@60&10%
N. E. Reversible.....℔ doz $5.60 60@60&10%
N. Y. State..℔ doz $4.90..60@60&10%
Reed's Latch and Hinges...℔ doz $12.00, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3, 60&10@60&10 &5%
Western, ℔ doz $4.20.....60@60&10%

BLIND HINGES—

Clark's:
Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....80&10%
Mortise Gravity.....50%
Nos. 1, 3, 5.....60&10%
Nos. 40 and 50.....80%
Huffer.....65%
Parker.....75@75&10%
Sargent's Nos. 1, 2, 5, 11, 12, ... 75@75&10%
Shepard's:
Buffalo.....80&10&5%
Clark's "Victor".....80@80&10%
Niagara.....80&10%
Noiseless.....80%
O. S. Lull & Porter.....80&10&5%
Stanley's Steel Gravity Blind Hinges, ℔ doz. sets $1.80.....40&10%

Hitching Cords—

Covert Mfg. Co.....45%

Hoes—

HANDLED—

Crescent Cultivator, 6 in. ℔ doz. $3.75 net
Crescent Cultivator, 7 in. ℔ doz. $4.00 net
Crescent Double-Bit ℔ doz. $4.00 net
Crucible Cut-Easy..℔ doz. $4 50 net
Cotton .....80&12½&5%
Dunlap's Boys', Ladies', Toy.....80%
Garden, Mortar, &c..... 75@25%
Iowa Crucible Socket.....75&25%
Magic.....℔ doz $4.00
Mattock Hoe... ....℔ doz. $4.00 net
Planter's.....80&20%
Texas Cut Easy.....℔ doz. $4.25 net
Warren Hoe.....60&10%

EYE—

American Axe & Tool Co.....70%
Grub.....60&10@70&5%
Lane's:
Crescent Planters Pat.....45&5%
Razor Blade, Scovil Pat.....30&5%
Sandusky Tool Co., S. & O. Pat. 60@60&10%
D. & H. Scovil.....30@30%

Hog Rings and Ringers—

Hill's:
Rings..... ℔ gr. boxes..$3.60@$4.00
Ringers.....℔ doz. 55@55c
Perfect Rings.....℔ gro. 90c
Perfect Ringers.....℔ doz. $1.00

Hollow Ware—

IRON—

Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware.60&10&10%
Rustless Hollow-Ware.....50@50&5%
Stove Hollow-ware:
Ground ....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Boilers and Saucepans....62½@65%
Maslin Kettles,....75&5@75&10&5%
Tinned Boilers and Saucepans.... 60&5@60&10%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Hartford Silver-Plate Co.....40&5%
Holmes & Edwards Silver Co. 40&15&5%
Meriden Britannia Co.....40&5%
Reed & Barton.....40&5%
Rogers & Brother.....40&5%
Simpson, Hall, Miller & Co.....40&5%
William Rogers Mfg. Co.....40&10%

Hooks—

BUSH—

Jennings & Griffin's.....40&10%
Light ℔ doz. $5.00: Medium ℔ doz. $5.50; Heavy $6.00

CAST IRON—

Bird Cage, Sargent's list...60&10&10%
Bird Cage, Reading.....60@60&10%
Bird Cage, Williamson.....50%
Ceiling, Sargent's list.....50&10%
Chandelier.....70%
Clothes Line, Sargent's list...5 &10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading.....60&10%
Coat and Hat, Moore's.....70%
Harness, Sargent's list....50@50&10%
Lamp.....55%
Picture.....75%
Screw Hat.....70%
Wardrobe.....55%

WROUGHT IRON—

Cotton.....℔ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Hammock Hooks, E. C. Stearns, ℔ doz.....60c
Picture, T. & S. Mfg. Co.....75%
Tassel, T. & S. Mfg. Co.....60&10%
Wrought Staples, Hooks, &c. See Wrought Goods.

MEAT—

Enterprise.....33⅓%
Wm. Johnson's:
8 in.....℔ doz. $2.20 net
10 in..... ....℔ doz. $2.70 net

WIRE—

Atlas Coat and Hat.....50@50&10%
Belt.....80@80&10%
Handy Coat and Hat.....70%
Steady Ceiling.....70%
Wire Coat and Hat, Acme...60&10%
Wire Coat and Hat, Gem.....70%
Wire Coat and Hat, Standard....45%

MISCELLANEOUS—

Carpenter's Amc. Grass Hooks, ℔ doz. $4.00
Covert's Saddlery Works: Self-Locking Gate and Door Hooks.....60&20%
Dunlap's Merchandise.....25%
Grass, No. 2, $1.65; 3, $1.80; 4, $2.00
Hooks and Eyes—Brass.....70&10%
Hooks and Eyes—Mal. Iron..... 75%
Wm. Johnson's Cotton, Box and Hay.....60%
Moores':
Clothes Line.....70%
Harness.....70%
Hotel & School House.....70%
Whiffletree.....℔ lb 4½c

Horse Nails—

Nos.	6	7	8	9	10
A. C.....	25c	23c	22c	21c	21c.

40&10%
American, all sizes, 9½@10c.....net
Ausable.....23c 23c 23c 24c 23c. 40&10&5%
Anchor.....23c 21c 20c 19c 18c.....40%
C. B. K.....25c 23c 22c 21c. 21c 40%
Capewell...19c 18c 17c 16c 16c..10&5%
Champlain..25c 23c 23c 24c 23c 40&5&2%
Clinton Fin.19c 17c 16c 15c 14c. 30&10&5%
Empire Bronzed.....10c
Essex.....23c 23c 25c 24c 23c. 40&10@50%
Lyra....9½c 9½c 9½c 9½c 9½c., net
Maud S.....23c 23c 22c 21c. 21c 50&10&5%
Northw't'n.25c 23c 22c 21c 20c. 25@25&5%
Putnam.....23c 21c 20c 19c 18c....15%
Snowden, 9½c 9½c 9½c 9½c 9½c., net
Vulcan.....23c 21c 20c 19c 18c.....25%
Western, 5 to 10d.....9c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co.....45%

Hose, Rubber—

Boston Belting Co.:
"Boston"..... .....50&10&5%
"Imperial".....30&5%
Competition.....75@75&10%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Standard.....70&10@70&10&5%

Ice Awls, Chippers, &c.—

Copeland Ice Pick....℔ gr $9.00 net
Crown.....net
Dunlap's:
No. 1.....$3.50 per doz 20%
No. 20.....$12.00 per doz 20%
Gem Ice Shave.....net
Sargent's Ice Awls.....55%
Star.....net

Ice Shredders—

Enterprise, No. 33, ℔ doz. $7.20..25%
No. 34.....℔ doz. $15.00.25%

Jack Screws—

See Screws.

Kettles—

Spun Brass, Plain.....15@20%
Spun Brass, plated inside with White Metal.....10@15%

Knives—

Ames':
Bread Knives, ℔ doz. $1.50...20@25%
Butcher Knives.....25@25&10%
Shoe Knives.....25@30%
Dunlap Kitchen and Bar'd Knives 25%
Foster Bros.' Butcher, &c.....40%
Goodell's:
Bread Knives Ass'n list.....net
Butcher.....25%
Shoe Knives.....40%
Hay and Straw, see Hay Knives.
Nichols' Butcher Knives.....50%
Table and Pocket, see Cutlery.
Wilson's Butcher Knives..25@25&5%

Knobs—

Bardsley's Wood Door, Shutter and Base.....15%
Base, Rubber Tip, 2½ in. Bead, ℔ gr.....$1.25@$1.50
Carriage, Jap.....℔ gro. 80c, 60&10%
Door Knobs, Hemacite.....50&10%
Door Mineral.....℔ doz. 55@55c
Door Por. Jap'd.....℔ doz. 65@70c
Door Por. Nickel...℔ doz..$1.70@1.80
Drawer, Porcelain.60&10@60&10&10%
Picture, Hemacite.....60&10%
Picture, Judd's.....50&10&10%
Picture, Sargent's.....70&10%
Shutter, Porcelain.....70%
Yale & Towne Wood, list Dec. '95. 40%

Ladles, Melting—

Monroe's Pat.....℔ doz $4.00, 40%
P. S. & W.....35&10@40%
Reading.....50&10%
Sargent's.....60@60&10%
Warner's.....30%

Latches—

Cronk's Sliding Door.....60%
Lane's Barn Door.....40%

Lawn Mowers—

Champion.....75&10%
Continental.....60&10%
Drexel Cheap Mowers.....net
Enterprise.....40%
Genuine Philadelphia Mowers:
C. K. L.....70&10%
Styles A., and E.....60&10%
Styles, D., D. O. W., M., S., T., Great American.....70&10%
Imperial.....60&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%
New Easy.....60&10@60&10&10%
New York.....60&5%
Pennsylvania.....60&10%
Rapid Transit.....70&10&10%
Standard.....60&5%
Sunbeam.....60&10%

Lawn Sprinklers—

Enterprise.....25%
Gibbs' Arc.....℔ doz. $10.00
Gibbs' Hustler.....℔ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler:

No. 1,	No. 2,	No. 3,
℔ doz. $12.00	$15.00	$24.00..25%

Lemon Squeezers—

Barger Bros. ℔ doz. 3-in. $1.00; 10-in. $1.40.....20%
Dean's, Nos. 1, ℔ doz. $6.50; 2, $3.25 3, $1.65; Queen $3.50 net
Dunlap's Improved ℔ doz. $3.75 20%
Hotchkiss, Straight Flush ℔ doz. $9.60
Jennings' Star...℔ doz. $1.90@$2.10
Little Giant.....50@50&5%
Porc. Lined, Iron.....$3.25@$3.50
Porc. Lined, Wood....℔ doz. $6.00 30&10@40%
Wood, Common ℔ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.

Letter Box Plates—

Name Door Plate.....50@50&10%
Name Plate.....70%
Number Door Plate..... 60@60&10%
Sargent's.....60&10@70%

Levels—

C. E. Jennings & Co.'s:
Hexagon.....25&10%
Iron Bench, new design....25&10%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's.50; Cotton Chalk, 2½ feet.....60&10%
Cotton Trot.....33⅓%
Masons':
Colored Cotton.....40&10%
Flax.....40&10%
No. 0 to 5.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ℔ gro.....3%
Ventilator Cord, Samson Braided, White or Drab Cot. ℔ doz. $7.50, 20%
Wiire Clothes, 100 feet, No. 18, $2.25; No. 19, $2.00; No. 20, $1.75

Locks—

DOOR LOCKS, LATCHES, &C.—

Barnes Mfg Co.....40@40&10%
Branford Lock Co.....net prices
Brooklyn Latches.....60&10%
Champion Night Latches.....40%
Dietz Flat Key.....30%
Mallory, Wheeler & Co...60&10@70%
Norwalk Lock Co.....60&10%
Plate.....33⅓%
R. & E. Mfg. Co.....60&10@70%
Reading Hdw. Co.....60@60&10%
Romer's Night Latches.....20&5%
Sargent & Co.....60&10@60&10&10%
Slaymaker, Barry Co.'s:
Corrugated Key Latch .....35&5%
All other Night Latches.....40%
Yale.....net prices

CABINET—

Barnes Mfg. Co.....40@40&10%
Dietz:
Nos. 22 to 29.....40%
Nos. 41 to 78.....45%
Nos. 87 to 96.....20%
Eagle Lock Co.....45&5%
Charles Parker Co.....45&5%
Romer's.....25%
Stoddard Lock Co.....60@33⅓%
Yale.....45&5%

PADLOCKS—

Acme Bicycle and Satchel per doz. $9.00.....40%
Ames Sword Co.....40%
Barnes Mfg. Co.....50@50&10%
Champion.....40%
A. E. Dietz.....40%
Eagle.....40%
Eureka, Eagle Lock Co.....40&5%
Gem, Corbin's.....40&5%
Romer's Nos. 0 to 3.....40&5%
Scandinavian.....30@40@30&40&10%
Smith & Egge Bicycle.....30%
Wrought Iron.....75@30%
Yale Lock Co.....net prices

TRUNK—

Corbin's.....25%
Eagle.....25%

Mallets—

Sargent's List
Hickory.....50@35&10%
Lignumvitæ.....50@35&10%
Raw-Hide.....40&10%

Mattocks—

Regular list.....70@70&10%

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Meat Cutters—

American.....30%
Nos....1 2 3 4 5 6
Each..$5 $7 $10 $25 $50 $60

Beef Shavers (Enterprise).....30%

Chadborn's Smoked Beef Cutter, ₩ doz $30.00

Dixon's..... ₩ doz 33⅓%
Nos..... 1 2 3 4
$14 $17 $19 $50

Enterprise.....25%
Nos.....10 12 22 32 42
Each...$3 $3.50 $4 $6 $15

Hales Pattern ₩ doz.....70@70&5%
Nos.....11 12 13
$27 $33 $45

Home No. 1..₩ doz $30.....60%

Little Giant.....50&10%
Nos. 305 310 313 320 323
$35 $48 $44 $72 $68

Miles' Challenge ₩ doz...45@45&10%
Nos..... 1 2 3
$28 $30 $40

Perfection.....Net

Woodruff's ₩ doz.....33⅓%
Nos.....100 150
$15 $18

Metals, Friction—

Magnolia, ₩ ℔.....25c
Less 20 to the trade, f. o. b. New York.

Molasses Gates—

Enterprise.....30%

Mop Wringers—

Matchless (Canton, O.), ₩ doz.$13.00

Nails—

WIRE AND CUT NAILS—

See Trade Report for quotations.

Wire Nails and Brads, Papered, Ass'n list, May 1, 1892.....67½%

Grand Crossing Tack Co. List:
Wire Brads.....80%
Wire Nails.....80%

PICTURE—

Brass Head. Combination list, 50& 10%

Brass Head, Sargent's list, 70&10@ 70&10&5%

Niles' Patent.....40%

Porcelain Head, Comb'n list..40&10%

Porcelain Head, Sargent's list, 50& 10%

FURNITURE—

Antique Bronze.....10%
China.....25%
Fire Gilt.....10%
Plain.....40%

Nail Pullers—

Black Hawk, per doz.....$9.00

Giant. No. 1, ₩ doz $18.00; No. 1½, $16.50; No. 2, $15.00.....30&5%

Lightning.....₩ doz $18.00, 20%

National.....40%

Pelican.....₩ doz $9.00, 15&10%

Scranton No. 2.....₩ doz. $10.00

Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Buck Bros.....27½%

Cannon's Diam'd Point ₩ gr. $12, 25%

Dunlap's.....20%

Humason's.....50&10%

Hunters' Cup Point Knurled.....₩ gro. $10.00

Hunters' Cup Point, Plain.....₩ gro. $9.00

Round, assorted.....₩ gr. $3.00@3.25

Square.....₩ gr. $4.00@$4.25

Nippers—

Acme.....50%
Smith's Cutting.....50%
Todd's Cutting.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..40%

Turner & Seymour Mfg. Co.....60%

Nuts—

Cold Punched, Square, off list. $5 40
Hex. off list.....$5.70

Hot Pressed, Square, off list..$5.90
Hex, off list.....$6.70

Tapped.....50%

Oilers—

Brass and Copper.....50&10%

Cushman & Denison's:
Pocket Oilers.....₩ doz. $1.55
Star Pocket Oilers..... .75

Draper's:
Brass.....70&10%
Steel.....70&10%

Malleable. Hammers, New Style, 10@10&5%

Malleable, Hammers, Old Pattern, same list.....50&10%

"Paragon," Brass.....50&10@60%

"Paragon," Zinc.....70@70&10%

Tower & Lyon Bicycle.....25%

Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....75%

Zinc and Tin.....70&10@75%

Oil Stones, etc.—

OIL STONES—

Pikes Washita:
Lily White, ₩ ℔.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔..... .50
No. 1..... .40
No. 2..... .30

Pike's Washita Round Edge Slips: 3 to 5x1¼ to 3½ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅜ ₩ ℔..... .70
Discount 33⅓%.

Pike's Washita Mounted No. 1:
8x2, ₩ doz.....$12.00
7x2, " 11 00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.

Pike's Washita Axe Stones:
About 2x2x⅝ to 1¼, ₩ ℔..... .24
" 2x2x⅛, extra selected.. .40
Discount 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
" Boston".....60%
" Excelsior" Self-Vulcanising, per ℔ 70c.....40%
Boston "Phoenix" Red Sheet, per ℔.....50c. net
Extra.....60&5@60&10&5%
Standard, Fair Quality.. 70&10@75%

MISCELLANEOUS—

American Packing.....9c@10c ₩ ℔
Cotton Packing.....14c@15c ₩ ℔
Italian Packing.....12c@14c ₩ ℔
Jute.....6c@7c ₩ ℔
Russian Packing.....13c@14c ₩ ℔

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1898.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Gold Medal.....₩ doz 4.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ ds. $27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 12.50
New Lightning.....₩ doz 5.50
Oriole.....₩ doz 4.00
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Rocking Table.....₩ doz 5.50
Scott's Pat. Rotary, ₩ doz $15.00, 20%
Turntable.....₩ doz 4.50
Victor.....₩ doz 12.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00

POTATO—

Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 12.50
Saratoga.....₩ doz 5.50
White Mountain.....₩ doz $4.50

Pencils—

Dixon's:
Carpenters'.....₩ gr. $4.00@7.50
Carpenter, Yellow or Brown Lead.....₩ gro. 9.00
Lead.....₩ gro $4.50
Lumber.....₩ gro. 6.87
Mascot, Hexagon.....₩ gro. 4.88
Mascot, Round.....₩ gro. 3.10

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Bailey's (Stanley R. & L. Co.) 50&10@50&10&10%

Bench, First Quality.....55%
Bench, Second Quality....60@60&10%
Fales Bench.....25%
C. E. Jennings & Co.....50&10%
Molding.....50%

IRON PLANES—

Chaplin's Iron Planes.....50&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting.....35%
C. E. Jennings & Co., Iron...50&10%
Meriden Mal. Iron Co.'s..40@40&10%
Sargent's.....60@60&10%
Siegley's:
Bench.....40%
Combination, each.....$4.50 net
Standard Tool Co.....50@50&5%
Stanley Rule & Level Co.:
Bailey's...50&10&10@50&10&10&5%
Miscellaneous.....25&10%
Steer's Iron Planes..50&10@50&10&5

PLANE IRONS—

Auburn "Thistle".....
Ohio.....
Sandusky.....
} 30&10@40%

Buck Bros.....20%
Butcher's.....$5.00@$5.25 to $
Hinsdale.....25&10%
C. E. Jennings & Co.....25&10%
Stanley Rule & Level Co.....50&10%
L. & I. J. White.....30&5@35%

Pliers and Nippers—

Button's.....70&10@70&10&5%
Carew's Pat. Wire Cutters.....25%

Cronk's:
Button Pattern.....70%
Gas Pliers, No. 100.....40%
Stubb's Pat. Pliers.....50%

Hall's Nippers, ₩ doz., No. 2, 5 in. $18.50; No. 4, 7 in. $21.00....40&10%

Hall's Pliers.....70%

Humason & Beckley Mfg. Co.50@50 &10%

Wm. Johnson's Gas Pliers.....66⅔%

Morrill's Parallel, ₩ doz $13.00 30&5%

Smith's Side Cutting.....25%

Stubs'.....20%

Swiss Pliers.....25%

P. S. & W. Cast Steel.....50@50&5%

P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%

Plumbs and Levels—

Cook's.....40&10&10%

Davis':
Inclinometers.....20%
Iron Levels.....25&10%

Disston's.....50%

Wm. Johnson's.....75%

Plumb Bobs.....40%

Pocket Levels.....70&10&10@75&10%

Stanley's.....75&10&10%

Stanley's Duplex.....25&10%

Wood's Extension Sight.....33⅓%

Poachers—

See Egg Poachers.

Police Goods—

J. P. Lovell's Police Goods.....25%

R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%

R. I. Tool Co., Leg Irons, $35.00 ₩ doz.....10%

Tower & Lyon's.....25%

Polish, Metal—

Prestoline Liquid, New List.....40%

Prestoline Paste.....33⅓@40%

Polish, Stove—

Dixon's Plumbago.....₩ ℔ 8c

Joseph Dixon's.....₩ gro $5.75, 10%

Gem.....₩ gro $4.50, 10%

Lustro.....₩ gro $4.75

Rising Sun.....₩ gro $5.50@$5.75

Poppers, Corn—

Round or square,
1 qt., ₩ doz. $ .75; ₩ gr. $3.50
1½ qt. ₩ doz. $ .85; ₩ gr. $3.00
2 qt., ₩ doz. $1.15; ₩ gr. $12 00
} 10@15%

Quincy Corn Popper, 1 qt., ₩ doz. $3.00; 2 qt., $4 00.....33⅓%

Post Hole Diggers—

Ryan's.....₩ doz., $30.00, 25%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Cronk's Pruning Shears..... 33⅓%

Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%

Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%

Dunlap's Saw and Chisel.....₩ doz $3.50, 20%

Henry's Pruning Shears ₩ doz $3.50@$3.75

E. S. Lee & Co.'s Pruning Tools.40%.

P. S. & W. Co.'s Shears.....60%

Pruning Shears, Henry's Pat. ₩ doz.....$3.50@3.75

Waters Tree Pruners.....75&10%

Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%

Pulleys

Awning.....60@60&10%
Axle.....60&10@60&10&10%
Brass Screw.....66⅔@70%
Ceiling.....50@10&60%
Clothes Line, Japanned..60@60&10%
Common Sense.....60%
Dumb Waiter.....60@60&10%
Empire Sash Pulley.....60%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%.
Hot House.....50&10@50&10&10%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%
Side. Anti-Friction.....50%
Shade Rack.....45%
Upright.....50&10@50&10&10%

Pumps—

Cistern, Best grades..65&10@70&10%
Pitcher Spout, Best grades 75&10@80%
Pitcher Spout, Cheaper Goods. 30&5@30&10%

F. E. Myers & Bro.:
No. 1, Fig. 338, 3 in. Shallow Well Pump.....$12.00
No. 8, Fig. 338, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig. 307, 3 in. Deep Well Pump.....$15.00
No. 6¼, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14, Fig. 321, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 333, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70, Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig. 333, 3 in. Deep Well Pump.....$15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 443, 3 in. Lift Pump.....$10.00
No. 103, Fig. 443, 3½ in. Lift Pump.....$12.00
No. 126, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$13.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 405, Regulator Pump.....$30.00
No. 280 Fig. 484, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 573, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 433, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 330, Fig. 493, Bucket Spray Pump.....$5.50
No. 330, Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.

Bemis & Call Co.'s:
Cast Steel Drive,.....50@5%
Check.....55%
Spring.....50&5%
Springfield Socket.....65%

Morrill's Universal.....35%

Niagara Hollow.....45%

Niagara Solid.....55%

Rand's Centering Marking Tool..15%

Rice's Hand.....15%

Saddlers' or Drive, good ₩ doz. 50@60%

Spring, good quality, ₩ doz $1.70@1.80

Spring, Leach's Pat.....15%

Tinners' Solid, P. S. & W. Co. ₩ doz.....$1.44, 55%

Tinners' Hollow, P. S & W. Co 20&5%

Rail—

	⅝	¾
Barn Door, Light, In.	⅛	
Per 100 feet	$1.40	1.65 2.00

Barn Door, "None Better" No. 1, ₩ foot.....2¾c

Barn Door, "None Better" No. 2, ₩ foot.....3¼c

B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50

Carrier Steel Rail, ₩ foot.....4¼c

Cronk's:
Competition.....₩ foot, 2¼c
Common.....₩ foot, 2¼c
Double Braced.....₩ foot, 2¾c

Lanes' O. N. T.....₩ 1.5 ft. $2.40

Moore's Wrought Steel..... 35%

Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6¼c

Sliding Door, Iron, Painted....₩ ft 3c

Sliding Door, Wr't Brass, 1¼ in. ₩ ℔, 25c.....30&10@40&5%

Terry's Steel Rail, ₩ foot.....3¼c

Victor Track Rail, 7c ₩ foot, 60&10&2½%

Rakes—

Cast Steel, Association goods.75&15%

Fort Madison Red Head Lawn, $3.25

Ft. Madison Blue Head Lawn, $3.00

Gibbs':
Acme.....net ₩ doz. $4.00
Boss, Garden, 14 teeth, net ₩ doz. $2.60
Boss, Garden, 18 teeth, net ₩ doz. $2.75
Canton Lawn Rake...₩ doz. $3.50
Crown Lawn, No. 1....₩ doz. $3.50
Hustler, No. 0.....₩ doz. $3.30
Lawn Rake.....₩ doz. $4.75

Malleable.....70&10@75%

Oneida Lawn.....doz., $6.00

Peerless Socket and Shank..75&15%

Prize Bow-Brace.....75&15%

Queen City.....33⅓%

Razors—

Electric.....List net

J. R. Torrey Razor Co.....30%

Westenholm and Butcher, $10.00 to $.....10%

Registers—

HOT AIR—

Ferrosteel, Japanned.....8 &10%

Ferrosteel, Nickelplated.....75&.0%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

American Screw Co.:
Bay State Rivets..... ...75&5%
Burrs.....75%
Soft Steel.....80%

Copper.....60&10&5@60&10&10%

Norway, list Feb. 28, '96.....70%

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Rivet Sets—

Regular list.....70@70&10%

Rollers—

Barn Door, Sargent's list..60&10&10@70%
Cronk's:
Acme Barn Door.....50%
Adjustable Stay..$ doz. $1.00 net
Screw Stay.....$ doz. 60c net

Rope

Cotton Rope, Best,
¼ in. and larger.....$ lb 14½@15c
Medium, ¼ in. and larger.....$ lb 12 @13c
Common, ¼ in. and larger.....$ lb 9½@10c
Jute Rope.....$ lb 5½c
Manila:
7-16 in. and larger..$ lb 6½@6½c
⅜ in.....$ lb 6½@7 c
¼ and 5-16 in.....$ lb 7¼@7½c
Hay Rope, Med.....$ lb 6½@6½c
Sisal, ⅜ in.....$ lb 5½c
¼ and 5-16 in.....$ lb 5½c
7-16 in. & larger.....$ lb 4½c
Med. L'th Y'rn.....$ lb 4¼c
Hay Rope.....$ lb 4¼c

Rules—

Athol, Steel.....33⅓%
Boxwood..30&10&10&10@30&10&10 &10&10%
Ivory.....50&10@50&10&10%
Lufkin's:
Steel.....55%
Lumber.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—

Chinese Laundry.....$ lb 4½@5c
Chinese Sad.....3½@3½c
Colebrookdale Iron Co.:
Crown, Improved Pol, $ doz. $6.50
Nickel.....$ doz. $7.00
Common 4 to 10.....$ lb 2½@2¼c

COLD HANDLED—

Enterprise Mfg. Co. of Pa.:
No. E 50, nickel plated, size 1, 2 or 3, with "best" handles. $ doz.....$7.45
No. E 55, nickel plated, size 1, 2 or 3 without handles, $ doz. $4 45
No. E 55, plain polished, size 1, 2 or 3, with "best" handles, $ doz.....$7.70
No E 55, plain p lished, size 1, 2 or 3 without handles, $ doz. $4.00
No E 60, nickel-plated, size 1, 2 or 3 with "best" handles, $ doz $8.35
No. E 60, nickel-plated, size 1, 2 or 3 without handles, $ doz. $5.35
No. E 60, nickel-plated, size 4, with "best" handles, $ doz $9.50
No. E 60, nickel-plated, size 4, without handles, $ doz.....$6 80
No. E 65, plain polish d. size 1, 2 or 3, with "best" handles, $ doz.....$7.75
No. E 65, plain polished, size 1, 2 or 3 without handles, $ doz. $4.75
No. E 65, plain polished, size 4, with "best" handles.....$8.80
No. E 65, plain polished, size 4, without handles.....$5 80
The "Best" Handles, with Forged Iron Stretchers, $ doz.....$8.00
Self-heating.....$ doz $10.00, 20%
Self-heating, Tailors' $ doz $33.50, 25%
Sensible Nickel.....$ doz. $7.00
Sensible Pol.....$ doz $9.50
Sensible, Tailors'.....$ lb 30@34c

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Emery Cloth.....50&10@60%
Garnet Paper.....30@33&5%
Sand and Emery Paper.50&10@60%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%

Sash Cord—

Cable Laid Italian Sash.....$ lb 16c
Cable Laid Russia....$ lb 13½c@14c
Common.....$ lb 8½c@9c
Common Russia Sash, $ lb 12½c@13c
India Hemp Sash.....$ lb 9½c@10c
Jute, good quality.....$ lb 11c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....$ lb 30c
"Samson" Braided Drab, Cotton.....$ lb 35c
"Samson" Braided Italian Hemp.....$ lb 33c
"Samson" Braided Linen, $ lb 56c
Silver Lake:
A Quality, Drab..$ lb 55c. 35@40%
A Quality, White, $ lb 50c. 35@40%
B Quality, Drab, $ lb 35c.....15@15&7½%
B Quality, White $ lb 30c.....15@15&7½%
White Cotton Braided, $ lb 31c@33c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts Flush.....70%
Sash Lifts With Lock.....60&10&10%
Sash Rollers.....70%
Shutter Bars.....60&10@70%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%

Sash Locks—

Champion Safety.....70&10&5%
Corbin's Daisy, '95 list.....40@45%
Davis, Bronze, Barnes Mfg. Co...60%
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Ives' Patent....60&10&5@60&10&10%
Payson's Perfect.....70%
Reading.....60&10&10@70%

Sash Weights—

Small lots.....$ ton, $20.00@$21.00
Ton lots at factory.....$18.00@$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
National Specialty Mfg. Co.....25%

Saws—

Atkin's:
Band.....50&10%
Butcher, Pruning and Compass.....40&10%
Circular.....50&10%
Cross Cut.....40&10%
Gang.....50&10%
Hand.....40&10%
Wood.....40&10%
Disston's:
Circular.....45@50%
Cross Cuts.....40&10%
Gang.....45%
Panel, Hand & Rip.....35%
Haines' Needle Point.....40%
C. E. Jennings & Co.'s:
Butcher.....30%
Hand Panel, Rip and other Saws 25%
Peace:
Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
Richardson:
Circular and Mill.....45&10%
X Cuts.....45&10%
Hand-saws.....25&10%
Star, Butcher.....35%
Woodrough & McParlin Cross Cuts.....45&10%

HACK SAWS AND FRAMES—

Chatillon.....30%
Griffin's:
Complete.....40&10%
Saw Blades.....40&10@50%
Star, Saws and Blades.....25%

Saw Frames—

C. E. Jennings & Co.....20%
Red, Polished and Varnished...$ doz., $1.00@$1.10
Richardson's Wood.....net
White Vermont..$ gro. $8.50@$9.00

Saw Sets—

Atkin's:
Criterion Saw Sets, $ doz.....$6.00
Excelsior Saw Tools $ doz....$6.00
Bemis & Call Co.'s:
Cross Cut.....30&5%
Hammer, New Pat.....45%
Plate.....20%
Spring Hammer.....30&5%
Disston's Star.....35@35&10%
Hart's Pat. Lever.....20%
Kohler's:
"Giant Royal".....$ doz. $10.00
"Royal".....$ doz $6.00
Leach's.....33⅓%
Morrill's:
No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Cross-cuts Nos. 3 and 4, $23.00; No. 5, $31.00.....40&20%
Richardson's.....25%
Seymour Smith & Son, Hammer, $ doz.....$4.75
Stillman's $ doz.....$1.00
Taintors Positive...$18.00 $ doz. 60%

Scales—

Chatillon's:
Eureka.....25%
Favorite.....40%
Grocers' Trip Scales.....50%
Family, Turnbull's.....60@60&10%
Hatch:
Counter, No. 171, $ doz. $17.00@ $18.00
Tea, No. 161.....$ doz. $5.75@$6.00
Union Platform Plain...$3.00@$3.10
Striped.....$3.15@$3.25

Scale Beams—

Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%
Scale Beams, List Jan. 12, '93.50&10%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....$ doz., $2.00
Box, 2 Handle....$ doz., $3.00@$4.00
Foot.....55&5@60&5%
Ship Common.....$ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60@60&5%
Extension.....50&10&5%
Flyer.....50&10&5%
Perfection Screens.....60@60&5%
Window Screen Frames.....60&5%
Stearns':
Frames and Corners....25@15&10%
Gem Window Screen Frames, 25&10%
Monarch Adjustable Window Screens.....50%

Screen Doors—

Phillips:
Empire Fancy.....30&35%
Fancy Pine.....15%
Painted.....50&5%
Stained.....50&10%
Standard Oil.....35&40%

Screw Drivers—

Brace Screw-Drivers.....25&10&5%
Buck Bros.....30%
Screw-Drivers Bits.....37½%
Champion.....40&10%
Disston's.....5@50&5&10
Pat. Excelsior.....5&5%
Ellrich's Socket and Ratchet.40&10%
Fray's Hol. Hdle. Sets, No. 3, $12.50
Howard-Allard.....50&10&10%
C. E. Jennings & Co.....40&10%
Jennings & Griffin.....65&10%
Wm. Johnson's:
1.5 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20 and 40.....50@50&10%
Screw-Driver Bits....$ dos., 50@75c
Screw-Driver Bits, Parr's $ gro. $6.25
N. E. Specialty Co.'s.....50&10%
Stanley R. & L. Co.'s:
No. 64, Varnished Handles.70&10%
No. 85.....75&10%
Tower & Lyon:
Champion.....33⅓%
"Handy" Ratchet.....25%
Williamson's:
Beauty, $ doz.....$1.00 } 40%
Gem, $ doz.....90c }
C. T. Williamson Wire Novelty Co.40%

Screws—

WOOD SCREWS—

Brass, Flat Head.....90%
Brass, Round Head.....85%
Bronze, Flat Head.....87½%
Bronze, Round Head.....85%
Copper, Flat Head.....65%
Copper, Round Head.....60%
Drive Screws.....90%
Iron, Bright Flat Head.....90%
Iron, Br't R'd & Oval Head.....85%
Iron, Forged Flat Head.....90%
Nickel Plated, Flat Head.....80%
Nickel Plated, Round Head....77½%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....60%

MACHINE—

Brass, Flat Head.....45%
Brass, Round Head.....40%
Iron, Flat Head.....45%
Iron, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron, $ doz., 1 in., $2.75; 1¼, $3.00; 1¼, $3.50
Bench, Wood, Beech, $ doz $2.00@$2.20
Chair.....60&10%
Coach.....82½%
Hand Rail Am. Screw Co.....82½%
Hand Rail, H. & B. Mfg. Co.....80%
Hand Rail, Sargent's....70@70&10%
Hand, Wood.....30&10@40%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W..40@40&10%
Jack Screws, Sargent's.....75%
Jack Screws, Stearns'.....40&10%
Leg Blunt Point, list Jan. 1, 1890, 75&20@80&10%
Piano Stool.....60&10%

Scroll Saws—

Barnes' No. 1, $8; No. 6, $10; No. 7 $15.....25%
Barnes Scroll Saw Blades.....40%
Cricket.....10&10%
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....1'&10%
Rogers, complete, $4.00.....15&10%

Scythes—

Grain.....50&10%
Grass.....50&10%
Scythe Snaths.....50&10@50&10&5%

Seeders—

Raisin, Enterprise.....25%

Shaft Couplings—

Bradley's:
Buggy, No. 8, $ Set.....$7.25
Surrey, No. 9, $ Set.....$3.60

Shears—

Acme (Cast).....30@40&5%
Ætna, Steel Japanned.....40&20%
Ætna, Steel Nickeled.....70&20%
Barnard's Lamp Trimmers. $ doz. $3.75
Clauss:
Nickel.....60%
Japanned.....70%
Davenport Cutlery Co.'s...60@60&10
Heinisch's:
St. Trimmers, etc...60&10&10@70%
Tailor's Shears.....30&10@40%
Pruning, See Pr'ning H'ks & Shears.
Seymour's List, Dec., 1891. 60&10@60&10&10%
Wiss & Sons:
Japanned.....70%
Nickeled.....60%
Tailors' Shears.....50&10%
Tin Snips.....45%

Sheaves—

SLIDING DOOR—

Corbin's list.....67½&10&5%
Hatfield's Pattern.....70&10@80%
M. W. Co., list July, 1895.50&10@60&5%
Moore's Anti-Friction.....50%
Patent Roller.....60&10@60&10&5%
R. & E., list August 15, 1895. 60&10@60&10&5%
Russell's Anti-Friction, list Dec. 15, 1895.....60&5%

SLIDING SHUTTER—

Reading list.....60%
R. & E. Mfg. Co.'s.....60@60&10%
Sargent's list.....60@60&10%

Shoes, Horse, Mule, &c.—

HORSE—

Bryden's Frog Pressure.....$4.00
Burden's, Perkins', Phœnix and Bryden's, from jobb'rs..$3.15@$3.40
Perkins Steel Side Weight Hind $3.15@$3 40
Perkins Improved Snow.....$ lb 4c

MULE—

Add 50c $ keg to above prices.

OX, WROUGHT—

Ton lots.....$ lb 9c
1000 lb lots.....$ lb 9½c
500 lb lots.....$ lb 10c

Shot—

See Ammunition.

Shovels and Spades—

O. Ames & Sons:
C. S. Edge.....6@7½%
Pat. Cast Steel.....7½@10%
Blair's Cast Steel.....5%
Bouve's Steel.....10%
Carter's Cast Steel.....5%
Sanderson's Cast Steel.....5%
Stone's Cast Steel.....6%
H. M. Myers and other manufacturers are now selling at Association discounts.

Shovels and Tongs—

Brass Head.....60&10@60&10&10%
Iron Head.....60&10@60&10&5%

Sifters, Flour—

Hunters' Genuine, $ gross, $10@11.50

Skate Sharpeners—

Eureka...$ doz. $1.75; $ gro. $18.00

Slaw Cutters—

Enterprise.....25%
Enterprise Mfg. Co.....25%
Tucker & Dorsey:
1 Knife.....$ gro. $15.00@$18.00
2 Knives.....$ gro. $20.0 @$27.00
Kraut Cutters.....50@50&10%
Woodrough & McParlin.....40%

Slicers—

Vegetable, Enterprise.....25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Cockeyes.....70&10%
Covert Mfg. Co.....45&20&5%
German, new list .40&10@40&10&10%
Fitch's (Bristol).....50%
Sargent's:
Patent Guarded.....70&10&10%
Covered Spring.....60&10%
Open Spring.....70@70&10%

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Covert Mfg. Co:
Breast Strap Buckle Snaps
Breast Strap Protector....
Double for Bits or Trace Carrier.....
Loop Eye.....
Loop Eye, Swivel.....
Open Eye.....
Round Eye.....
Round Eye, Swivel.....
} 45&2% @50%
Covert Saddlery Works:
Banner.....60&20%
Triumph.....60&20%

Spoke Shaves—

Bailey's (Stanley R. & L. Co.) 50&10%
Iron.....⅌ doz. 5 &10%
Millers Falls.....15&10%
Seymour Smith & Sons, Iron.....20%
Wm. Johnson's:
Wood, Best.....20%
Wood, 2nd Quality.....33⅓%
Wood.....⅌ doz. 25&10%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10@80%
B. B. Noyes Meat Forks..50&10@60%
Buffalo S. S. & Co.....33⅓&2½%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Holmes & Edwards Silver Co..60%
L. Boardman & Son.....Catalogue "B"—net List
Meriden Brit. Co. Rogers Bros.40&15%
C. Rogers & Bros.....40&15%
Rogers & Bro.....60&15%
Wm. Rogers Mfg. Co.....60%
Simpson, Hall, Miller & Co.....60&5%

MISCELLANEOUS—

Boardman's:
Britannia Spoons, Catalogue "B".....net List.
Nickel Silver, Catalogue "B" net List
Britannia.....90&10%
German Silver.....60&10%
German Silver, Hall & Elton..60& 5% cash
Wm. Rogers Mfg. Co.:
18% Rogers' German Silver...60&5%
20% Rogers' Nickel Silver....60&5%
Rogers' Silver Metal.....50&10&5%

Springs—

See Door Springs.

Squares—

Disston Try Square and T Bevels, 60&10%
Starrett's Micrometer Caliper Squares.....25%
Try Square and T Bevels.60&10&5 @60&10&10%
Winterbottom's Try & Mitre.50&10%
Nickel-Plated.. } 75&10@75&10 &10%
Steel and Iron.. }

Stair Rods—

Black Walnut.....60%
Brass, Oval or Hollow.....50%

Staples—

Barbed Blind—⅛, ⅝, and ¾ inch, ⅌ lb.....6c@6¼c
Grand Crossing Tack Co. List: 75&10%

Steels and Dies—

BLACKSMITH'S—

Butterfield's Goods.....35@40%
Gardner.....33⅓&10%
Lightning Screw Plate.....35%
Reece's New Screw Plates.... 25@30%
Waterford Goods.....3.@40%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stove.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March, 25, '95.
2% cash. Market irregular and lower prices on some lines.
American Cut Tacks.....80&10%
Carpet Tacks:
American, Blued....90&10@90&20%
American, Tinned...90&10@90&30%
Leathered.....60&10%
Steel.....90&30%
Swedes, Lanc.....85&10%
Swedes, S. S.....90&20%
Swedes Iron Tacks:
Lanc.....85&10%
S. S.....90&10&5%
Basket Tacks.....75&10%
Basket Nails.....80%
Bill Posters' and Railroad Tacks:
S. S.....90%
Brush Tacks and Nails.....70&15%
Chair Nails.....8⅓%
Cigar Box Nails.....75%
Common and Patent Brads.....80%
Finishing Nails.....75%
Gimp Tacks:
Lanc.....85&10%
S. S.....90&5%
Hungarian Nails.....85&5%
Lace Tacks.....85%
Lanc.....80&20%
Looking Glass Tacks.....70%
Picture Frame Points.....70%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Trunk and Clout Nails:
Black.....80&5%
Tinned.....80&5@80&10&5%
Upholsterers' Tacks:
Lanc.....85&10%
S. S.....90&15%

MISCELLANEOUS—

Bill Nye Brad Box.....⅌ box $4.00
Bill Nye, Jr., Brad Box..⅌ box 2.00
Bonnie Blue.....⅌ box $1.50
Can Opener Carpet Tacks.⅌ gr $4.00
Double Point..90&10&10&10&10&10%
Hammer Carpet Tacks...⅌ gr. $4.50
Miniature Keg Tacks..65%&33⅓&5& 10&10&2%
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.65%&33⅓&5& 10&2%

Tack Pullers—

Columbia, No. 1, per doz., net,....$1
" " 2, " " ...1.50
Little Jack.....⅌ doz. $1.00

Tapes, Measuring—

American.....40&10@50%
Chestermans.....5&@8 &5%
Keuffel & Esser Co 25%
Lufkin's Steel and metallic.....40%

Taps—

American Screw Co.
Machine Screw.....70%
Blacksmiths' Taper.....50&10@60%
Hand and Machine.....50&10@60%
Pipe.....80%

Telephones—

Union Electric Co.:
Letter A, Complete....each, $10.00
Letter B, for Warehouse..each, $8.50
F. o. b. cars Cleveland.

Tin, Perforated—

Harrington & King Perforating Co.: IO 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.50	$1.55
2	9.00	1.55
3	8.25	1.35
4	7.75	1.30
5	7.50	1.30
5½	7.25	1.20
6	7.00	1.15
7	7.00	1.10
8	6.75	1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).20&5%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&25%

Tobacco Cutters—

National Specialty Co.....30&5%

Trammel Points—

Beckus and Union.....40%
C. E. Jennings & Co., "Eureka".35%
Cook's.....35%
Sargent's.....70&10@70&10&10%
Stanley's.....50&10%
Tower & Lyon.....33⅓%
Prentiss'.....30@35%

Tracks, &c.—

F. E. Myers & Bro.:
Comb. Car., Double Steel T...$2.50
Comb. Car., Wood Track....$2.25
Common 6 in. Wood Sheave Pulley, Fig. 433, ⅌ doz.....$1.65
D. H. Fork, Steel Regular, e'ch .75
Double Grapple Fork, each...$2.25
Double Rail Steel Track complete with clamps, ⅌ ft..... .09
Faultless Steel Frame K. P Pulley, Fig. 425, ⅌ doz.....$3.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ⅌ doz.$1.75
Floor Hooks, ¾ in. ⅌ doz. .55
Floor Pulley, Wood Sheave, Fig. 426, ⅌ doz.....$3.00
Hanging Hooks for Double Steel Track, ⅌ doz..... .60
Hanging Hooks for Single Steel Track, ⅌ doz..... .60
Hanging Hooks for Wood Track, 10 in. ⅌ doz..... .45
Hanging Hooks for Wood Track, 14 in., ⅌ doz..... .55
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ⅌ doz.$2.00
Malleable Rafter Brackets, ⅌ doz..... .45
Nellis Fork, each.....$1.50
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
New Myers Iron Rod Car....$2.75
Reed Wood Frame Pulley with Hook, Fig. 434, ⅌ doz.....$2.25
Rev. Car., Double Steel Track $3.50
Rev. Car., Wood Track.....$2.25
Rope Hitch, ⅌ doz.....$1.75
Single rail Car, Single Steel T.$3.50
Single Rail Steel Track with clamps, ⅌ ft..... .09
Sprouts Shear Fork, each....$1.40
Steel Frame Pulley with Iron Sheave, Fig. 555, ⅌ doz.....$1.50
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Walker Fork, each.....$1.15
Wrought Rafter Brackets, ⅌ doz..... .45

Transom Lifters—

Ajax.....50&10@50&10&5%
Bronze Metal, with Safety Spg. 5 @ 0&10%
Crescent.....7 @7 &10%
Dicksons.....60%
Nickel Plated.....50&10%
Payson's Solid Grip, Nos. 8 3 and 804.....⅌ 1.0, $12.00
Shaw's:
Copper Finished.....8 &10%
Lever.....70@70&10%

Traps—

GAME—

Blake's Patent.....60@60&10%
Enterprise Mole.....15%
Newhouse.....40&10@50&5%
Oneida Pattern.....75&5@7 &10%

MOUSE AND RAT—

Enterprise Mfg. Co., Mole..... 15%
Erie Rat.....40@40&10%
Household.....⅌ gr $10.00
Hotchkiss:
Metallic Mouse,.....⅌ doz. 35c
Improved Rat.....⅌ gross, $12.50
New Rat.....⅌ gross, $12.50
Mouse, Bonanza.....⅌ doz 90c@$1.00
Mouse, Catch-'em-Alive ⅌ doz $3.50,15%
Mouse, Delusion..... 40%
Mouse, Ideal.....⅌ gr $9.00
Mouse, Round Wire, ⅌ doz $1.50, 10%
Mouse, Wood, Choker, ⅌ doz holes 10c@9c
Schuyler Rat Killer, No. 1 ⅌ gro. $12.50; No. 2 ⅌ gro., $15.00
Smith & Egge Mfg. Co:
Superior Rat Trap, ⅌ doz....$15.00
Yankee Mouse Trap, ⅌ doz.. $5.50
Yankee Rat Trap, ⅌ doz.....$11.00

FLY—

Balloon, ⅌ doz $1.25.....⅌ gr. $12.50
Electric Rod.....⅌ gr. $16.50
Globe.....⅌ doz., $2.25; ⅌ gr. $12.50
Harper....⅌ doz., $1.75; ⅌ gr. $16.50

Trowels—

Brade's Brick.....25@33⅓%
Disston's:
Brick.....8⅓%
Plastering.....25%
Pointing.....30%
C. E. Jennings & Co.:
Brick.....30%
Plastering.....25%
Pointing.....30%
Wm. Johnson's:
Brick.....40%
Plastering.....40%
Pointing.....40%
W. & M. P. Plastering.....25@25&10%
Peace's Plastering.....25@25&5%
Richardson.....25@25&10%
"Rose" Brick Plastering and Moulders.....25@25& 10%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vegetable Slicers—

Enterprise Mfg. Co. 25%

Vises—

Solid Box.....50&10@60%

PARALLEL—

Alligator.....50%
Armstrong's:
Combination.....50%
Plain and Hinge.....60%
Athol, Oval Slide.....60&10%
Bonney's Champion.....45@45&10%
Fisher & Norris Double Screw15&10%
Holland's.....40@40&10%
Howard's.....40&10%
Little Giant Bench.....35&10&5%
Lowell Hand.....33⅓%
Massey's Quick Action.....20&10%
Merrill's.....20&15%
Millers Falls, Mechanics'...net 20 %
Moore's.....20%
Parker's.....20@25%
Oval slide.....50&10%
Victor.....30%
Prentiss.....2.@25%
Sargents.....7&2½%
Simpson's Adjustable.....5 %
Stephens'.....20@30%
Trenton.....40&5@40&10%
Wilson'.....55%

SAW FILERS—

Bonney's Nos. 2 & 3, $15.00.....60%
Stearn's Com., No. 0, 1, 2, and 3..50%
Stearn's Rubber Jaw, Nos. 10 and 33.....33⅓%
Wentworth's.....35%

Wads—

See Ammunition.

Wagon Jacks—

Covert's Saddlery Works:
Victor.....60&20%
Daisy.....60&20%
Lane's Steel 30%

Washer Cutters—

Otis A. Smith's.....20&10&10%

Weather Strips—

Church's:
Axtell, Lacquered, 36 in. ⅌ doz. $5.00
Axtell, Lacquered, 42 in. ⅌ doz. $7.00
Axtell, Pol. Brass, 36 in. ⅌ doz. $12.00
Axtell, Pol. Brass, 42 in. ⅌ doz. $15.00

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ⅌ gross. $3.50@$12.00
American Whip Co.: List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft. $10.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
Americus, 98 Pen Whip, 6 ft., $6.00
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
Eureka, Two-thirds Whalebone 5½ ft., $10.00; 6 ft., $16.50 6½ ft. $18.00; 7 ft., $20.00.
Gents' Light Driving, No. 111, 6 ft.....$6.00
Gents' Light Driving, No. 108, 6 ft.....$5.00
Hand-Made Stocked Java, No. 103.....5½ ft., $3.75; 6 ft., $4.0
Hardware Assortment 10 | American, 75 Whips for.....$50.00
New Name, Stocked Java, Black and Wine Colors.....6 ft., $3.00
Team Whips....⅌ doz $2.00@$7.50
True Grip, Raw Hide Center, 4½ ft. $6.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.

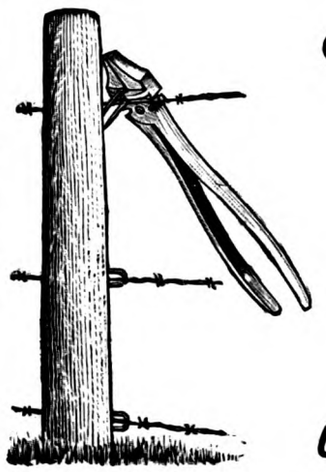
Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....35&10%

Wire and Wire Goods—

Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Brass Wire.....35%
Bright Wire Goods. Standard list 35&10@35&10 &5%
Cast Steel Wire.....50%
Copper Wire 45%
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&10%
Malin's Brass and Copper on Spools.....50&10%
Market Wire:
Brt. & Ann., Nos. 0 to 18..80@80&10%
Cop'd, Nos. 0 to 18, 75&10@75&10&5%
Galv., Nos. 0 to 18, 75&10@75&10&5%
Tin'd, Tinned list Nos. 0 to 18.... 75&10@75&10&5%
Picture Wire.....New list 35&10%
Steel Music Wire, Nos. 12 to 20, Imported, ⅌ lb.....60@70c
Stub's Steel Wire.....$6.00 to 2 30%
Tate's Spooled Wire:
Annealed and Tinned .....60&10%
Copper and Brass.....50&10%
Tate's Wire Picture Cord Braided and Twisted.....35@40&10%
Tinned Broom Wire, Nos. 18 to 21, ⅌ lb.....4½c
Wire Clothes Lines, see Lines.

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CRONK'S

Combination Fencing Plier.

This newly invented fencing tool is needed by all people that build or have occasion to remove or repair wire fence, as it is made with two staple pullers, two hammers and two button cutters. They are the same heft as the 1½ Maydole Hammer, and they are made of forged tool steel. No good farmer will be without one. They are warranted to cut No. 8 hard or No. 6 soft wire. Like the celebrated Cronk Plier they are fully warranted in all respects. No. 12, 11 in. long, $12.00. Dis. . . .

CRONK HANGER CO., ELMIRA, N. Y.

Wire Cloth, Netting, &c.—

Brass Cloth.....40@55%
Galvanized Wire Netting..80&10@80&20%
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.15@$1.20
Steel Bolting Wire Cloth.....80@55

Wire Rope—

List.
Cast-steel.....2½&2½&2½ cash
Iron.....20&2½&2½ cash
Iron, Galvanized..20&2½&2½ cash

Wire Rope Clips—

Crosby.....35%

Wire Stretchers—

W. C. Heller's Grip.....₩ doz. $1 50

Wrenches—

Acme:
Bright.....60@60&10%
Heavy.....50%
Nickel.....50&10@60%
Agricultural.....80@80&10%
Aiken's Pocket (Bright)..$2 00@3.20
Alligator.....60@60&10%
Always Ready.....33⅓&5@40%
American Adjustable.....40@40&10%
Armstroug's.....40%
Baxter's.....65@65&10%
Bemis & Call's:
Brigg's Pattern.....30&10%
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No. 3 Pipe, Bright.....60%
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Patent Combination Bright.40&5%
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Champion Carriage.....40%
Cincinnati Tool Co:
Bit.....&10%
Standard Brace.....25
Coes':
Genuine.....40&10&5&5&3%
"Mechanics'".....40&10&10&5&5&3%
Pattern Wrought.....30&10%
Donohue's Engineer.....40&10%
Eagle Pipe.....50&10%
Expert Bicycle.....33⅓&10%
Girard Standard.....65&10@70%
Hall's Pipe.....50%
Hercules.....70&10@75%
Lamson & Sessions':
Engineers'.....60@60&10%
Standard.....70&10%
Lowell:
Lag Screw.....25%
Ratchet.....33⅓%
Socket Bridge.....50%
Stillson Pipe.....45%
Taylor Pipe and Nut.....40%
Trimo Combination.....40%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
J. H. Williams.....25%
Yankee.....45%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1893, 2%
Colby Wringer Co., list May 1, 1894, 2%
Lovell Mfg. Co., list July 2, 1894...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%
Peerless Mfg. Co., list Feb., 1892...2%
NOTE.—On lots of 1 dozen a discount of 10s is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in barrels..₩ gallon.....80c
Linseed, City, Boiled, in barrels ₩ gallon.....82c
Out of Town on Spot..₩ gal.....80c
Calcutta, Raw, in bbls....₩ gal. 50c
Lard, Prime City.....₩ gal. 40@42c
Western, Prime.....40@41c
Extra, No. 1.....34@38 c
No. 1.....30@ 2c

Paints and Colors—

Barytes, Foreign, ₩ ton, $15.00@$18.00
Barytes, American Floated, ₩ ton $22.00@$28.00
Barytes, American, No. 1, ₩ ton, $9.00@$10.00
White Lead, American, Dry, in Bbls. ₩ ₤.....4¼@4½c
White Lead, American, in Oil, ₩ ₤.....5¼@5½c
White Lead, Foreign, in Oil, ₩ ₤ 6@7c
Litharge, Kegs, ₩ ₤.....5½@5½c
Zinc, American, Extra Dry, ₩ ₤ 3¾@4¼c

Putty—

In bbls. and half bbls.....1⅝@1¾
Putty in Bladders.....1¾@2
Putty in Tins.....1¾@2¼

Spirits Turpentine—

In regular bbls.....27½@—c
In machine bbls.....27½@—c

Dry Colors—

Blue, Chinese.....₩ ₤ 37 @40
Blue, Prussian.....₩ ₤ 30 @35
Blue, Ultramarine..₩ ₤ 8 @35
Sienna, American, burnt.....₩ ₤ 1¼@ 1¼c
Sienna, American, raw.. .....₩ ₤ 1¼@1¼c
Umber, American, burnt.....₩ ₤ 1¼@ 1¼c
Umber, American, raw.....₩ ₤ 1¼@ 1¼c
Green, Chrome, Common.....₩ ₤ 5 @12 c
Green, Paris, in bulk.₩ ₤ 12 @15 c
Indian Red, American.....₩ ₤ 2 @ 3 c
Indian Red, English.....₩ ₤ 4½@9

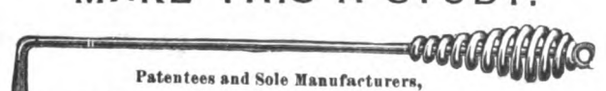
Colors in Oil—

Black Coach Japan ₩ ₤..18½@20
Black Coach Japan, in Oil.....₩ ₤ 12 @13 c
Black Drop.....₩ ₤ 7 @10 c
Black Lampblack...₩ ₤ 20 @23 c
Black Lampblack, common.....₩ ₤ 7@15 c
Blue, Chinese.....₩ ₤ 35 @40 c
Blue, Prussian .....₩ ₤ 20 @40 c
Blue, Ultramarine..₩ ₤ 12 @18 c
Brown, Sienna, bur't ₩ ₤ 7 @10 c
Brown, Sienna, raw.₩ ₤ 7 @10 c
Umber, burnt.....₩ ₤ 7 @10 c
Umber raw.....₩ ₤ 7 @10 c
Brown, Vandyke....₩ ₤ 7 @12 c



ORIGINATORS

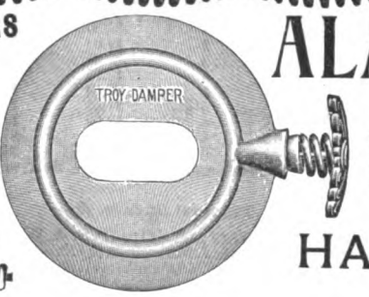
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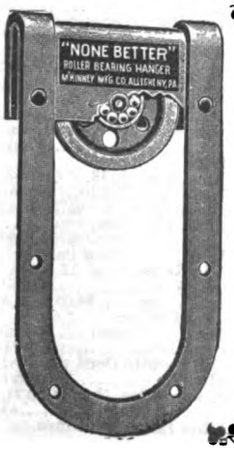
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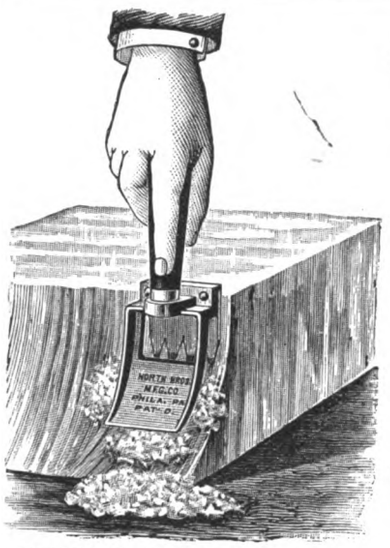
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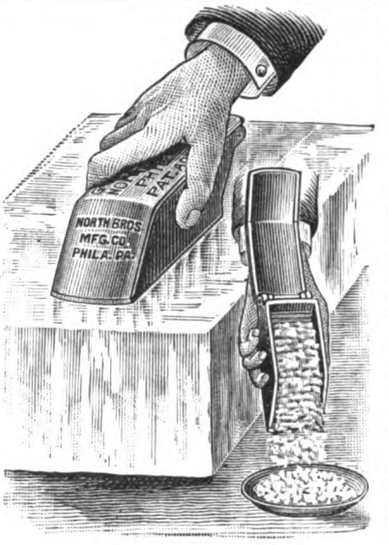
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FOR CHIPPING ICE FOR FREEZERS, SODA FOUNTAINS, BARS, RESTAURANTS, ETC.

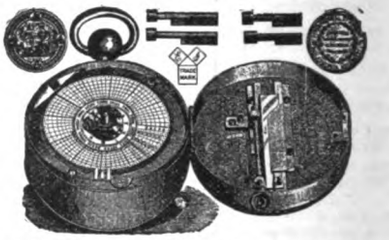
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12 and 24 different Keys, with Safety Lock Attachments. U. S. Patents, 1876-76-77. Re-Issue, 1880. Trade Marks 1881, 1 82.

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This Watchman's Time Detector contains all the modern improvements. The only perfect instrument in the market. Warranted in every way. It cannot be tampered with successfully.

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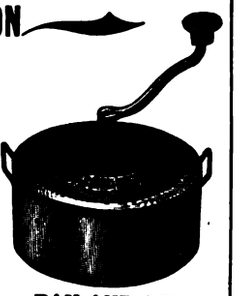
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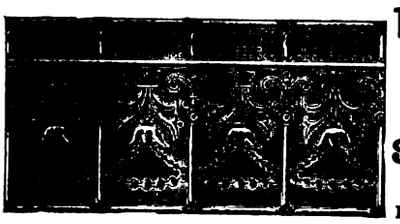
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Th. M. Haas, New York.
Schwerdtle & Siebert, Bridgeport, Conn.
Vieillard & Oswald, Brooklyn, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Stocks.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Display Trays.
Campbell Cutlery Co., Syracuse, N. Y

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
Norton Door Check & Spring Co., Boston, Mass.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York.

Doors and Shutters, Iron.
Stewart Iron Works, Cin'nati, O.

Drills.
Cleveland Twist Drill Co., Cleveland, O.
Kearney & Foot Co, New York.
Standard Tool Co., Cleveland, O.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
J. G. Speidel, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham & Co., New York.
Union Electric Co., Cleveland, O.

Elevators.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery.
Hanson & Van Winkle Co., Newark, N. J.

Emery Wheels.
New York Belting & Packing Co., Ltd., New York.

Enamel.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scotland.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
Boston & Lockport Block Co., Lockport, N. Y.
John H. Graham & Co., New York
National Specialty Mfg. Co., Philadelphia, Pa.
John Sommer's Son, Newark, N. J

Fences, Wire and Iron.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson Ind.
Henry Disston & Sons, Phila., Pa.
Hammacher, Schlemmer & Co. New York.
Kearney & Foot Co., New York.
Sickels & Nutting Co, New York.

Filteration Quartz.
New England Filteration Co., Boston.

Filters.
J. H. Seed, New York.
N. A. Watson, Erie, Pa.

Fire Escapes.
Stewart Iron Works, Cin'nati, O.

Fishing Tackle.
Enterprise Mfg. Co., Akron, Ohio.

Flat Ware.
See Plated Ware.

Flower Pot Stands.
Gilbert & Bennett Mfg. Co., N. Y., Chicago, Georgetown, Conn.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading Pa.

Fronts for Buildings, Iron.
Stewart Iron Works, Cin'nati, O.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garden Tools.
Cleveland Lawn Weeder Co., Cleveland, Ohio.
F. E. Kohler & Co., Canton, Ohio.

Gate, Latch and Hinge.
Burr & Houston Co., Brooklyn, N. Y.

Gears.
T. F. Welch & Co., Boston.

Glass Cutters.
Thomas J. Andress, Philadelphia.
W. L. Barrett, Bristol, Conn.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.
J. D. Johnston, Newport, R. I.

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Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grating, Iron.
Stewart Iron Works, Cin'nati, O.

Grindstones.
Cleveland Stone Co., Cleveland.

Gunpowder.
E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York.

Gun Implements.
Bartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Handles.
Berger Bros., Philadelphia.

Hangers, Coat and Hat.
Cronk Hanger Co., Elmira, N Y

Hangers, Door.
Darling, Brown & Sharpe, Providence, R. I.
Cronk Hanger Co., Elmira, N. Y.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McKinney Mfg. Co, Allegheny, Pa.
E. C. Stearns & Co., Syracuse, N.Y.
Van Wagoner & Williams Hdwe. Co., New York and Cleveland.

Hangers, Window and Screen.
Phœnix Mfg. Co., Milwaukee, Wis.

Hardware Dealers, Agents, Etc.
John H. Graham & Co., New York
Russell & Erwin Mfg. Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Akron Hdw. & Stamping Co., Akron, Ohio.
Arcade Mfg. Co., Freeport, Ill.
Berger Bros., Philadelphia.
Bruce & Cook, New York.
Buchel Brush Novelty Co., New Orleans, La.
Ennis Specialty Co., Troy, N. Y.
Enterprise Mfg. Co., Philadelphia.
Griswold Mfg Co., Erie, Pa.
Hastings & De Baun, New York.
T. W. Houchin, New York.
A. N. Jacob, New York.
Kopp & Pratt Mfg. Co., Geneva Ohio.
F. E. Kohler & Co., Canton, Ohio.
North Bros. Mfg. Co., Philadelphia.
Pelouze Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.
E. C. Stearns & Co., Syracuse, N.Y.
Charles Weiland, New York.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hasps.
McKinney Mfg. Co., Allegheny, Pa.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Heaters
C. R. Meres Heater Mfg. Co. Norwalk, O.

Hinges.
Bommer Bros., New York.
Th. M. Hase, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New York.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Capewell Horse Nail Co., Hartford, Conn.

Hose Couplings.
King & Knight, Boston.

Hose Menders.
King & Knight, Boston.
F. E. Kohler & Co., Canton, Ohio.

Hose Pipe.
King & Knight, Boston.

Hose Reels.
Hartzell Novelty Works, Alliance, Ohio.
King & Knight, Boston.

Hose, Rubber.
King & Knight, Boston.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York
Logan & Strobridge Iron Co., New Brighton, Pa.
North Bros Mfg. Co., Philadelphia
Wm. T. Wood & Co., Arlington, Mass.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Ink.
Barnes National Ink Co., New York and Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co, Chicago.

Jail Work.
Stewart Iron Works, Cin'nati, O.

Japanning.
C. H. Angus, Albany, N. Y.

Kraut Cutter.
National Saw Co., Newark, N. J.

Ladders.
Indiana Ladder Co., Indiana, Pa.

Lamps.
Aladdin Lamp Co., Newark, N. J.
Cycle Danger Signal Co., New York.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lathing, Metallic.
George Hayes, New York.

Lawn Fountains.
F. E. Kohler & Co., Canton, Ohio.

Lawn Mowers.
Clipper Lawn Mower Co., Norristown, Pa.
Coldwell Lawn Mower Co, Newburgh, N. Y.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
F. E. Kohler & Co., Canton, Ohio.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
King & Knight, Boston.
F. E. Kohler & Co., Canton, Ohio.

Lawn Weeders.
Cleveland Lawn Weeder Co., Cleveland, Ohio.

Lead.
Bruce & Cook, New York.
Colwell Lead Co. New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N J.
J. D. Johnston, Newport, R. I.

Lemon Squeezers.
Berger Bro., Philadelphia.
John H. Graham & Co., New York
Logan & Strobridge Iron Co., New Brighton, Pa.
John Sommer's Son, Newark, N. J.

Levels.
Akron Level Works, Akron, O.
Tower & Lyon, New York.

Locks and Knobs.
Ames Sword Co., Boston.
Brass Goods Mfg. Co, Brooklyn, N. Y.
Champion Safety Lock Co., Cleveland, O.
John H. Graham & Co., New York.
Th. M. Hase, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co, Norwalk, Conn.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York and New Haven, Conn.

Machinery.
Athol Machine Co., Athol. Mass.
Miner & Peck Mfg. Co., New Haven, Ct.
Seneca Falls Mfg. Co, Seneca Falls, N. Y.
The Scranton & Co., New Haven, Conn.
Vieillard & Osswald, Brooklyn, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury Ct.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y
T. F. Welch & Co., Boston.

Mail Boxes
W. C. Heller & Co., Montclair, N. J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.
North Bros. Mfg. Co., Philadelphia.

Mechanical Rubber Goods.
New York Belting & Packing Co., Ltd., New York.

Metal Ceilings.
Canton Steel Roofing Co., Canton, Ohio.
S. Keighley & Co., Pittsburg, Pa.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.
Meyers' Putz Pomade Co., Boston.

Milk Cans.
Buhl Stamping Co, Detroit, Mich.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Mirrors, Window.
Bayer & Co., Philadelphia.

Mixers.
Eynon & Sons, Philadelphia.

Model Making.
T. F. Welch & Co., Boston.

Mops.
Matchless Mop Wringer Co. Canton Ohio

Mop Wringers.
Matchless Mop Wringer Co., Canton, Ohio.

Mucilage.
Barnes National Ink Co., New York and Philadelphia.

Nails.
Bruce & Cook, New York
Fuller Bros. & Co., New York.
F. E Kohler & Co., Canton, Ohio.
Rockford Tack Co., Rockford, Ill.
Salem Wire Nail Co., Salem, O.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Nail Pullers.
The Scranton & Co., New Haven, Conn.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilers.
Cushman & Denison, New York.

Oil Stones.
Pike Mfg. Co, Pike Station, N. H.

Ornamental Iron Work.
Stewart Iron Works, Cin'nati, O.

Packing.
Gould Packing Co., East Cambridge, Mass.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.

Patent Solicitors
Dyer & Driscoll, New York.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.
Niagara Silver Co., Niagara Falls, N. Y.
Upson & Hart Co., Unionville, Ct.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Pliers.
Cronk Hanger Co., Elmira, N. Y.

Plumbers' Furnaces.
Primus Cooking & Heating Apparatus Co., New York.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York
F. E Kohler & Co., Canton, Ohio.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.

Power Hammers.
The Scranton & Co., New Haven, Conn.

Power Presses.
Vieillard & Osswald, Brooklyn, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Vieillard & Osswald, Brooklyn, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Prismatic Sidewalks.
Stewart Iron Works, Cin'nati, O.

Pumps.
Barnes Mfg. Co, Mansfield, Ohio.
Canton Pump Co, Canton, O.
Chase Pump & Mfg. Co., Columbus, Ohio.
F. E. Myers & Bro., Ashland, O.
Pittsburgh Pump Co., Pittsburgh Pa.
St. Joseph Pump Mfg. Co., St. Joseph, Mo.

Punches.
F. J. Mattison, New York.

Punching and Shearing Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Radiator Deflectors.
Clark Hot Air Deflector Co., Akron, O.
J. Rutherford & Son, Akron, Ohio.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.
Stewart Iron Works, Cin'nati, O.

Rails, Barn Door.
McKinney Mfg. Co., Allegheny, Pa.

Raisin Seeders.
Enterprise Mfg. Co., Philadelphia.

Rakes.
F. E Kohler & Co., Canton, Ohio.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
P. J. Conroy & Co., Philadelphia

Reels.
Hartzell Novelty Works, Alliance, Ohio
King & Knight, Boston.

Repair Outfits.
B. F. Goodrich Co., Akron, O.

Rivets.
Bruce & Cook, New York.

Rollers.
Fulton Machine Co., Canal Fulton, O.

Roller Skates.
Tower & Lyon, New York,
Union Hardware Co., Torrington Conn., and New York.

Roofing and Roofers' Supplies.
Canton Steel Roofing Co., Canton, Ohio.
Berger Bros., Philadelphia.
L. D. Berger, Philadelphia.
Berger Mfg. Co., Canton, O.

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Roofing Slate.
E. J. Johnson & Co., New York.

Roof Trusses, Iron.
Stewart Iron Works, Cin'nati, O.

Rubber Belting.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
B. F. Goodrich Co , Akron, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rules.
Darling, Brown & Sharpe Providence, R. I.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Scales.
John Chatillon & Sons, New York.
North Bros. Mfg. Co., Philadelphia.
Peerless Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scrapers, Wheel.
Sidney Steel Scraper Co., Sidney, O.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
E. T. Barnum. Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co. Georgetown, Conn, New York Chicago.
A. J. Phillips Co., Fenton, Mich.

Screws
Harvey Hubbell, Bridgeport, Ct.

Screw Cutting Tools.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
Tower & Lyon, New York.

Screw Plates.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
Seymour Cutlery Co., Holyoke, Mass.
J. Wiss & Sons, Newark, N. J.

Shelf Boxes.
W. C. Heller & Co., Montclair, N. J.
Henry H. Sheip & Co., Philadelphia.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Niagara Silver Co., Niagara Falls, N. Y.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Single Tube Tires.
B. F. Goodrich Co., Akron, O.
New York Belting & Packing Co., New York.

Sink Cleaners.
John W. Sudlow, Brooklyn, N. Y.

Skates.
John H. Graham & Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Skylights.
George Hayes, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Smoke Pipe Registers.
Ferrosteel Co , Cleveland, Ohio.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Solder.
Bruce & Cook, New York.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Stairs, Iron.
Stewart Iron Works, Cin'nati, O

Stamps.
Schwerdtle & Siebert, Bridgeport, Conn.

Staples.
Salem Wire Nail Co., Salem, Ohio

Steel Goods.
Canton Steel Roofing Co., Canton, Ohio.
Finished Steel Co , Youngstown, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel, Perforated.
Harrington & King Perforating Co , Chicago.

Steel Traps.
Oneida Community, Kenwood, N. Y.

Step Ladders.
Bicycle Step Ladder Co., Chicago.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Holroyd & Co., Waterford, N. Y.

Store Fixtures.
Hartzell Novelty Works, Alliance, Ohio.

Stoves.
Primus Cooking & Heating Apparatus Co., New York.

Stove Mittens.
Diamond Hardware Co., Boston.
Paras & Paras, Troy, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co.' Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Structural Iron Work.
Stewart Iron Works, Cin'nati, O.

Tackle Blocks.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Ney Mfg. Co. Canton, Ohio.
Union Hardware Co., Torrington Conn

Tacks.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tapping Machines.
Harvey Hubbell, Bridgeport, Ct.

Taps and Dies.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Tap Wrenches.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Telephones.
Union Electric Co., Cleveland,

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tires Rubber.
B. F. Goodrich Co., Akron, O.
New York Belting & Packing Co., New York.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Hammacher, Schlemmer & Co. New York.
Th. M. Hass, New York.
Holroyd & Co., Waterford, N. Y.
Standard Tool Co., Cleveland, O.

Traps.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
John H. Graham & Co., New York.
Oneida Community, Kenwood, N. Y.
Smith & Egge Mfg. Co., Bridgeport, Ct.

Trucks, Store.
Boston & Lockport Block Co., Lockport N. Y.
John Chatillon & Sons, New York.
John H. Graham & Co., New York.

Trucks, Stove.
Barnes Mfg. Co., Mansfield, O.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Tubing.
Pope Tube Co., Hartford, Conn.

Turnbuckles.
Merrill Bros., Brooklyn, N. Y.

Valves.
Kendrick Valve & Washer Co., Syracuse, N. Y.

Varnishes.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scotland.
Glidden Varnish Co. Cleveland, O.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Athol Machine Co., Athol, Mass.
Howard Iron Works, Buffalo, N. Y.
Tower & Lyon, New York.

Wagon Jacks.
Lane Brothers, Poughkeepsie, N. Y.

Wagon Umbrellas.
Sprague Umbrella Co., Norwalk, Ohio.

Washers.
Kendrick Valve & Washer Co. Syracuse, N. Y.

Watchman's Clocks.
E. O. Hausburg, New York.
E. Imhauser, New York.
Nanz & Co., New York.

Wheelbarrows.
Akron Cultivator Co., Akron, O.
Arnold Metal Wheel Co., New London, Ohio.
Bryan Mfg. Co., Bryan, Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, O.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.

Window Screens.
Edward Darby & Sons, Philadelphia.
John H. Graham & Co., New York

Wire, Manufacturers.
Bruce & Cook, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago San Francisco.
Salem Wire Nail Co , Salem, Ohio.
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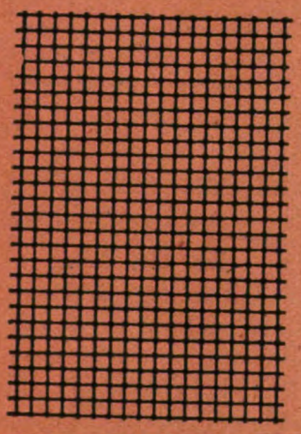
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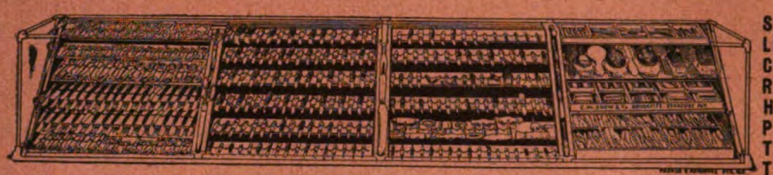
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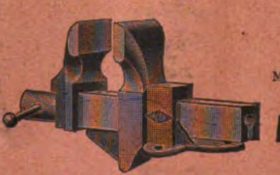
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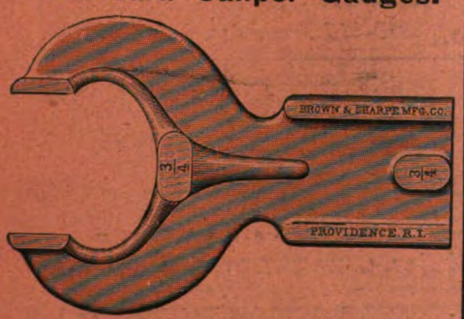
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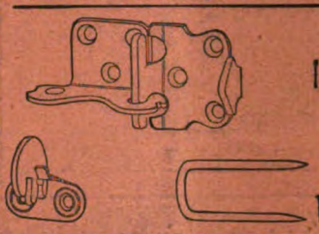
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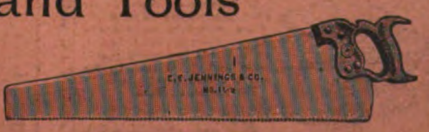
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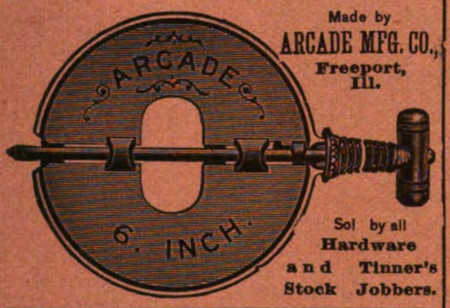
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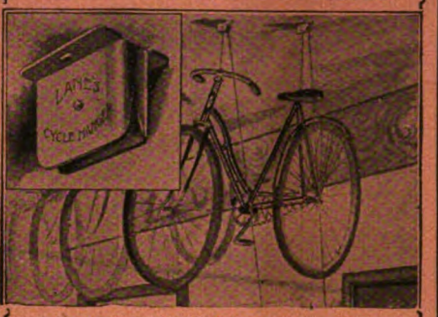
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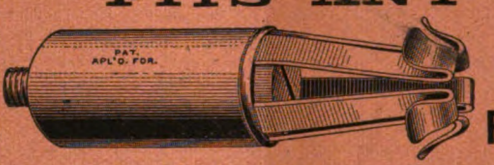
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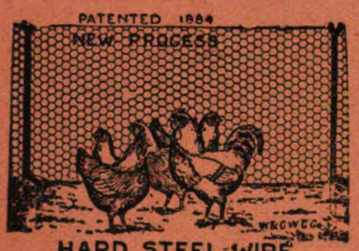
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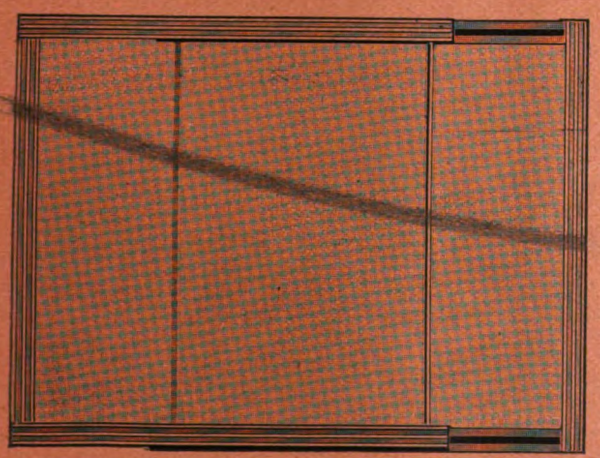
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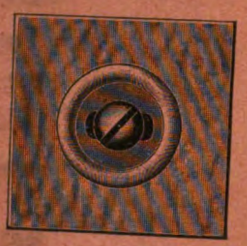
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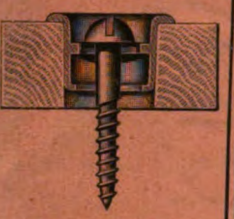
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ORNAMENTAL Gives a FINE FINISH.
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A STAPLE ARTICLE.
A Perfect Adjuster for Sliding Door Stops. Finished in Solid Bronze, Oxidized Copper, Nickel and Gold Plate, or as ordered. Securely packed, with screws to match. To fasten in stops, simply bore ½-inch hole and they will drive in just right.
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Tensile strength one-half greater than that of any other nail made.

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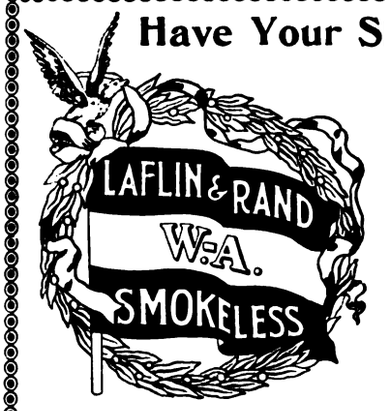
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Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

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Unsurpassed for imparting a brilliant polish to

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The Best Gate,

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IT'S IN THE TEETH.

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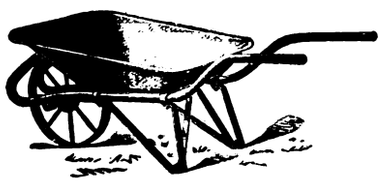
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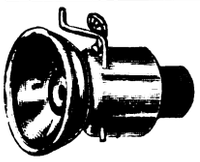
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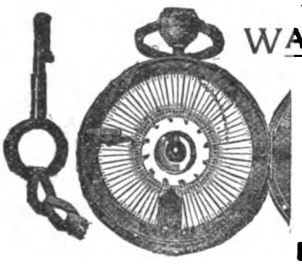


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WATCHMANS' TIME DETECTOR,

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This Clock is neat, thoroughly reliable and very durable. **Cannot be tampered with.** Price moderate. Is adapted for six or twelve stations, having a different key for each. Registering is done by number from 1 to 6 and 1 to 12, each station having its number. No chance for a fraudulent record here. Old style detectors mark by holes or an impression on dial, the same for all stations. Allowance made for old Detectors. Send for circulars, prices and further particulars.

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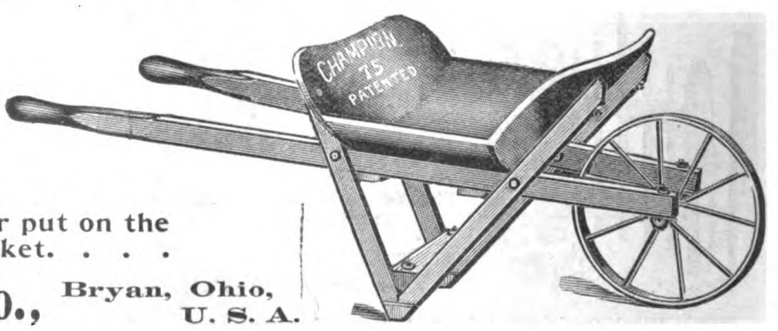
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For all the Trade admits that our No.

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Garden Hose,
Water Hose,
Fire Hose,
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Packing,
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Smoke Pipe Register (Black) with **White Ceiling Plate.**

Indian Design Patented.

Showing Removable Cap for use when Smoke Pipe is taken down.

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Registers made of Ferrosteel are noted for Strength, High Finish and Excellent Workmanship.

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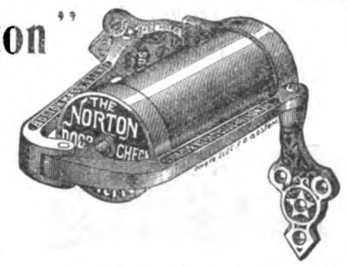
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THE "Norton"



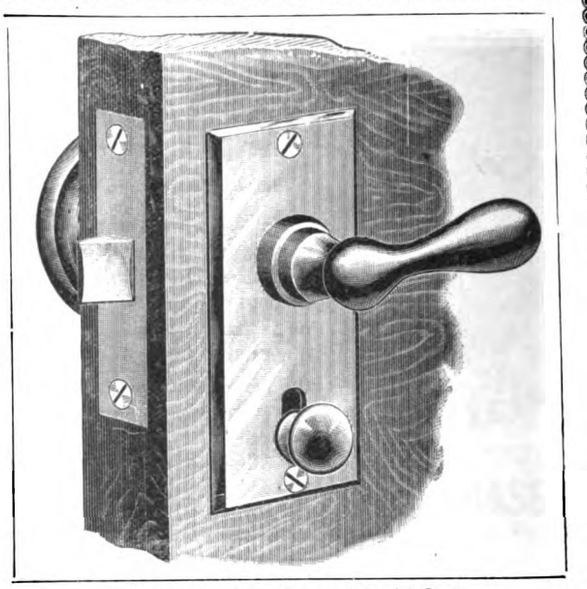
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DOOR-CHECK and Spring.

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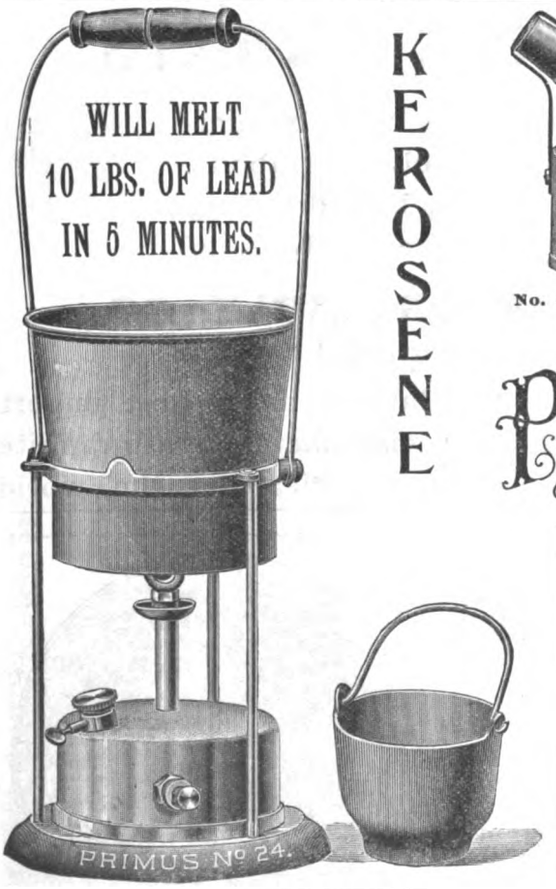
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WILL MELT 10 LBS. OF LEAD IN 5 MINUTES.



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KEROSENE



No. 40 BLOW TORCH.

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KEROSENE



No. 1 COOKING STOVE.

Positively Non-Explosive.

Burns any grade ***KEROSENE, without a wick, with a clear Blue Flame.***

Positively No Odor, No Smoke, No Soot.

THE MOST ECONOMICAL.

One Quart Kerosene Lasts Five Hours--Less than one-half Cent per Hour.

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The No. 1 Cooking Stove will Boil 1 Quart of Water in 4 Minutes.

Flame can be Regulated.

Primus Cooking and Heating Apparatus Co.,

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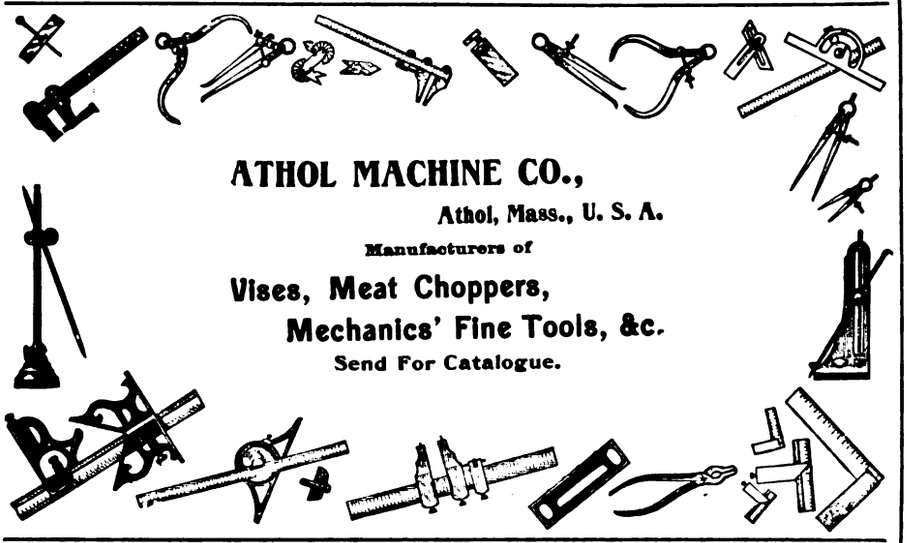
"Happy Thought" Tack Puller.



Patented.

Made of polished steel. Will pull all size tacks, and the construction and shape makes it easy to pull the tack without breaking the heads off. The bottom hook which serves as the lever in drawing the tack is also convenient to lift the carpet from the floor. One trial will prove that the **"Happy Thought"** is the best. The price, **10 cents** brings it in reach of all For sale by all leading Hardware dealers. This is a fine seller, and we will send a sample to the trade on receipt of a two-cent stamp. Manufactured by the

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Manufacturers of

Vises, Meat Choppers, Mechanics' Fine Tools, &c.

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In Blind, Shutter and Gate Hinges, Gate Latches, Frame Axle Pulleys, No. 25 Niagara, No. 26 Star, No. 30 IXL, No. 60 Square End, No. 35 Acme solid case with markers, and the Gem Machine Pulley from 1 3-4 in. to 2 1-2 in.

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Stanger's Patent Self-Locking "Noiseless Blind Hinge," Christman's Shutter Lock and Bower, Furniture Casters, Shelf Brackets Plain and Rosette, Plumbers Brackets, Nickel Plated and Plain, Hay Fork Pulleys, Well Wheels, Grindstone Fixtures, Nail Hammers, Claw and Shingling Hatchets, Toy Hammers and Hatchets, Toy Sad Irons and Stands, Jackstones in Boxes or Bulk, &c.

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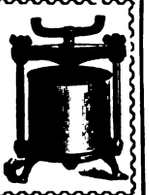
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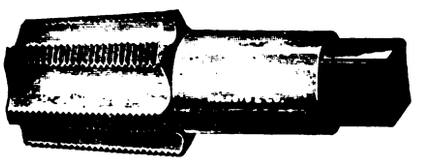
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Send us your address and we will mail Catalogue and discount sheet of **STOCKS & DIES, TAPS, etc.**



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"NO BETTER MEDIUM."

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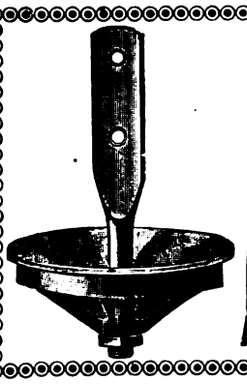
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Acknowledged to be the best article for polishing stoves, as it does away with the old time dirtiness of the work, making this work a pleasure. Also invaluable for polishing brass or glass, or silverware, which it does not scratch. For tan shoes and cleaning bicycles it has demonstrated itself a conspicuous success.

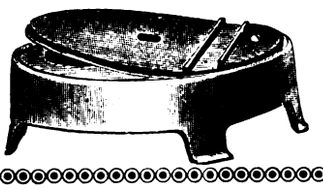
Diamond Hardware Co.,

624 Atlantic Ave., Boston, Mass.



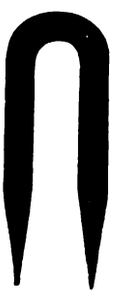
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Only the very best leather and rubber are used in these goods and all are carefully and evenly fitted, making them the best of their kind. . .



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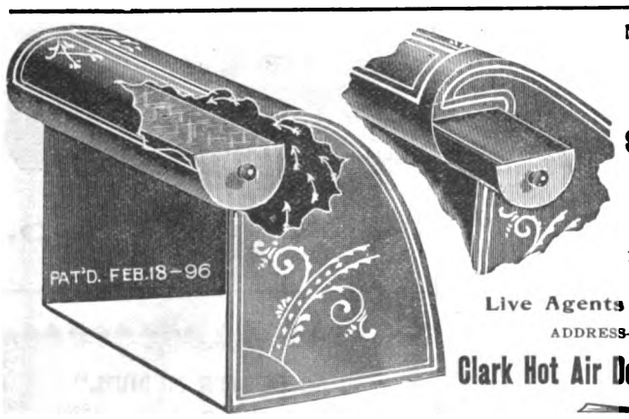


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Such as **Wire Nails, Fence Staples, Plain and Galvanized Smooth Wire, Painted and Galvanized Barbed Wire.**

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All others are infringements.

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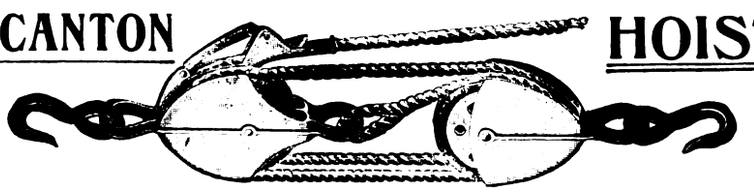
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Can be used perpendicularly, horizontally, and at any angle. . . .

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In Cold Rolled Steel, Bronze and Brass. In all the Popular Finishes.

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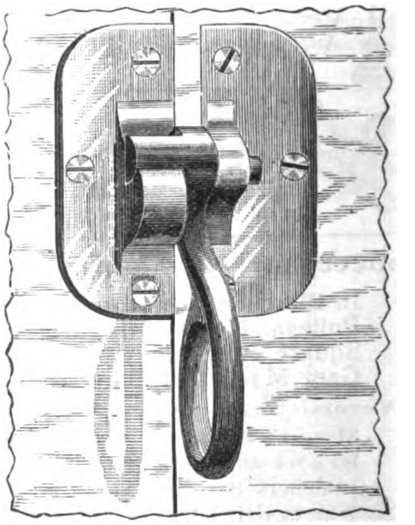
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The CONROY PATENT Refrigerator Fastener.

The only Practical Fastener in use.



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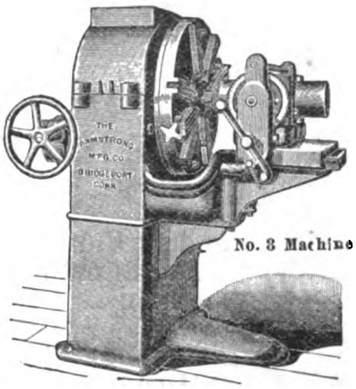
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The "ARMSTRONG"



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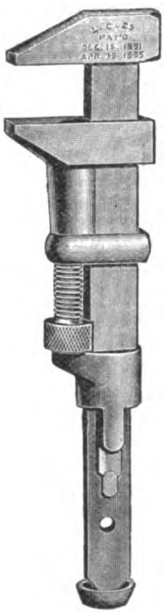
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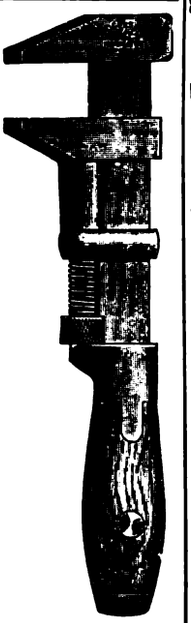
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Registered April 9, 1895.

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☞ Straight Bar, Extra Long Nut for Screw in Jaw. ☜

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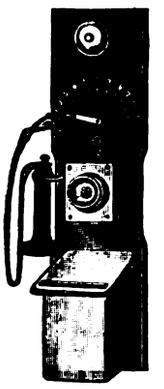
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Write for prices and secure exclusive agency for your city.

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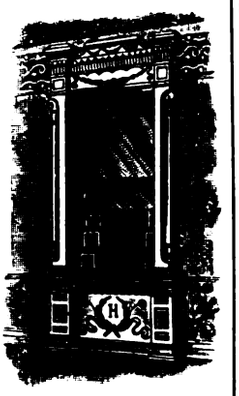
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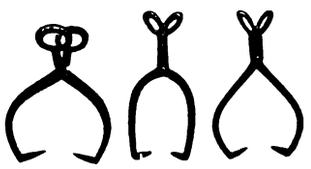
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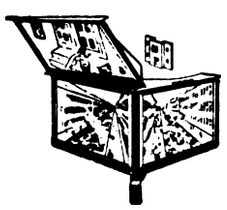
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See current price list for the trade.

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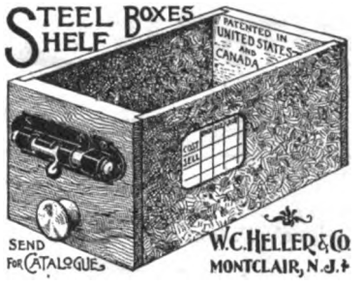
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We Guarantee the quality of our Files to be equal to that of our Saws. . . . . .

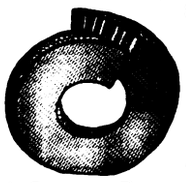
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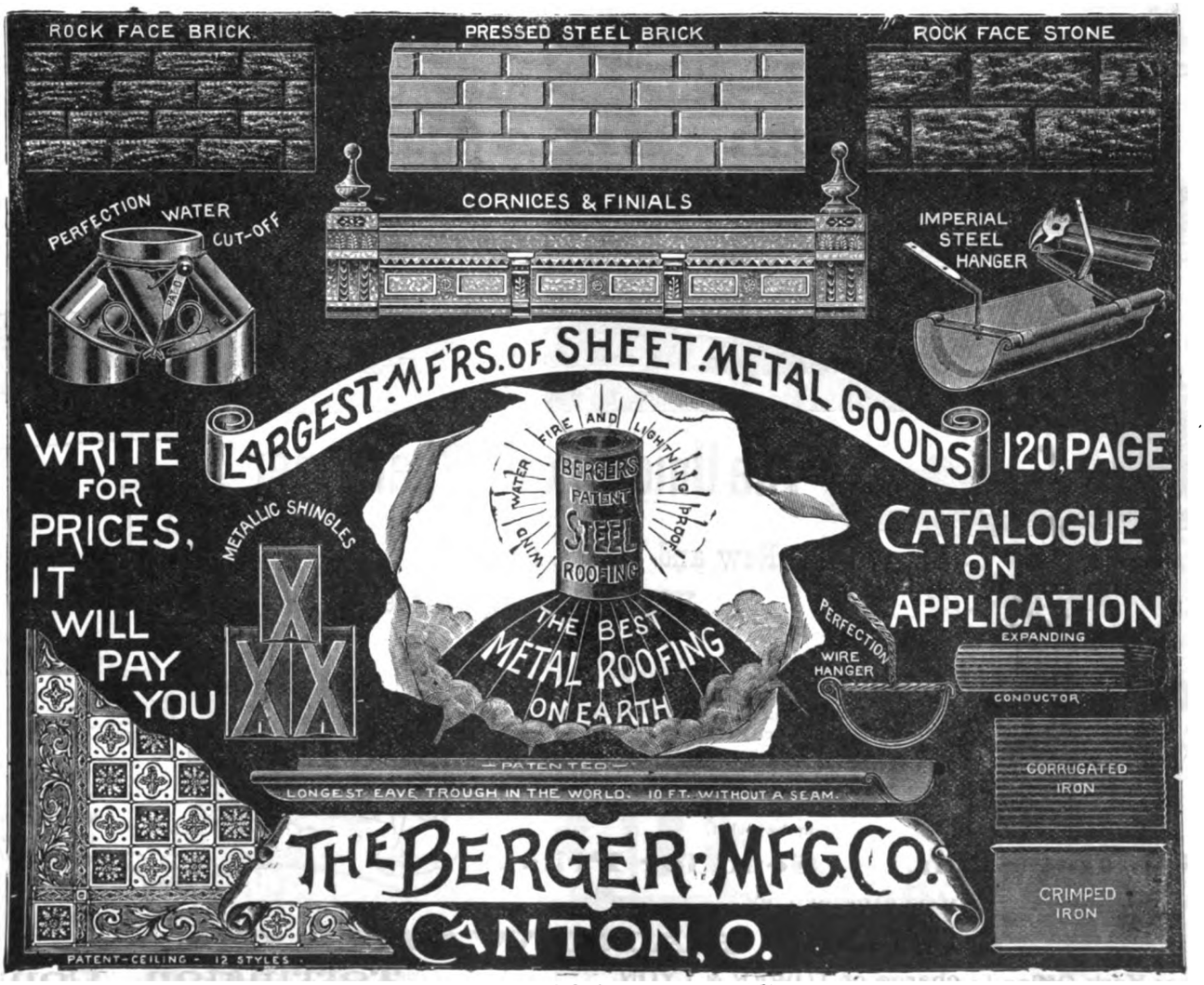
A. ADAMSON

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Corner Exchange and Water Streets, AKRON, OHIO.

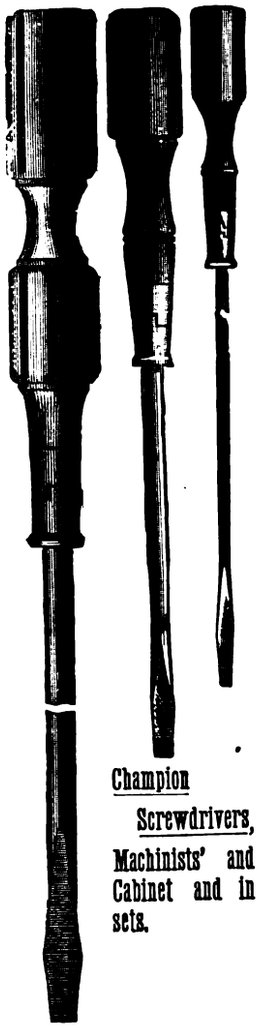
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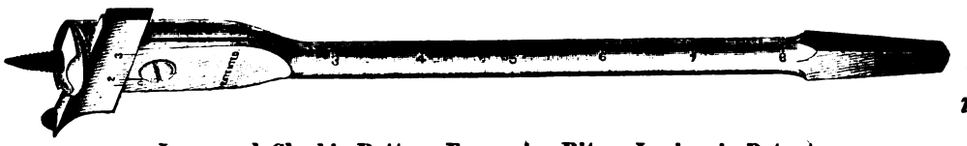
Rubber Machinery



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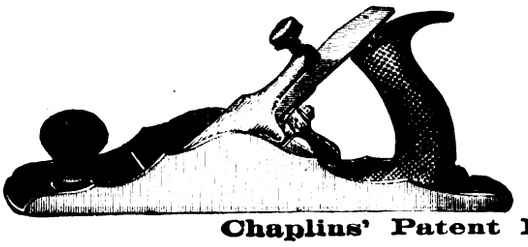
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No loose parts.

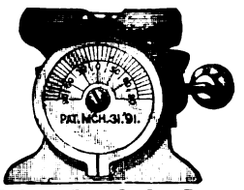
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





Corrugated Face.

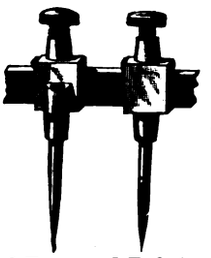
Chaplins' Patent Iron Planes.

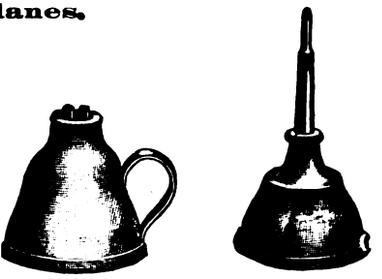


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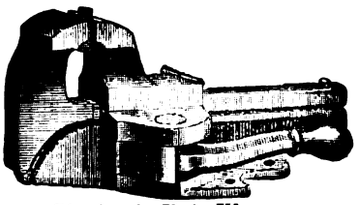
Plumb Bobs and Trammel Points.



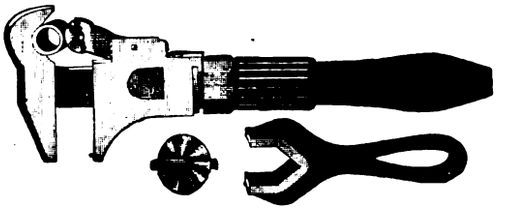


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Champion Screwdrivers, Machinists' and Cabinet and in sets.



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UNION HARDWARE CO.'S RACING SKATE,

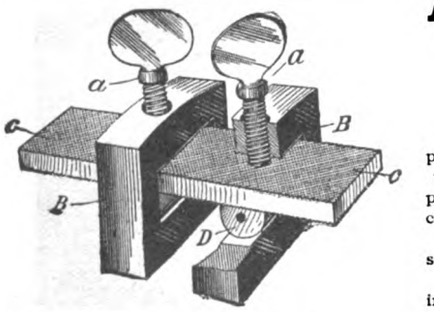
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DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener



A New and Useful Article

Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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New York Office in charge of TOWER & LYON. Torrington, Conn.

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TRADE CM MARK

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This Trade Mark is stamped on all Saw Sets and other Hardware Specialties of my make.

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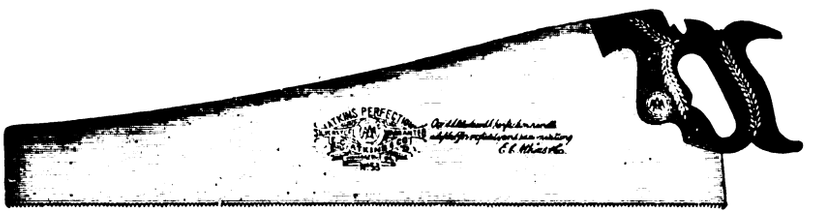
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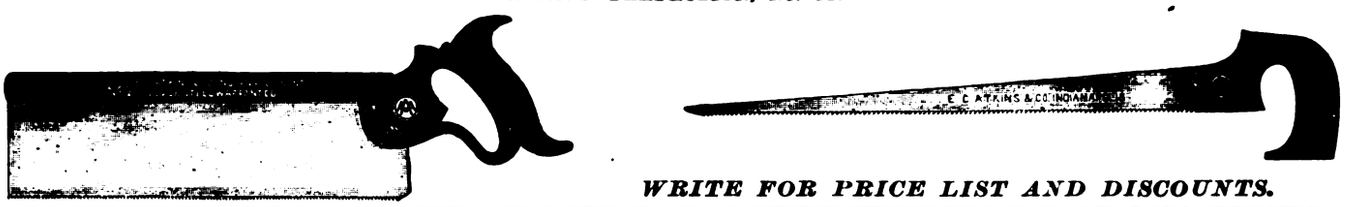
The Atkins SILVER STEEL HAND, PANEL AND RIP SAWS.

WE MANUFACTURE EVERY KIND OF SAW USED.

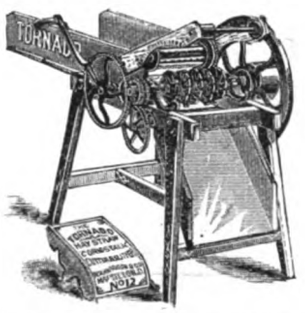


SILVER STEEL. FINE TEMPER. BEST WORKMANSHIP. THE BEST SAWS MADE

ATKINS' PERFECTION, No. 53.



WRITE FOR PRICE LIST AND DISCOUNTS.



Tornado Feed Cutters.

Made in ten sizes, from a small hand power size to a large horse or steam power size; they cut, split and thoroughly disintegrate the hardest corn stalks with or without the ears, and without additional attachments or additional power. Cuts all kinds of dry forage, i.e., hay straw, sheaf oats, etc. Will do better and faster work than any other make. Our new **AUTOMATIC CARRIERS** can be attached to any of our Power Cutters. **Guaranteed the best working and most durable Cutters ever made. Farmers who use the Tornado save half their feed. FOR CUTTING ENSILAGE THE TORNADO HAS NO EQUAL.**

Agents Wanted in unoccupied territory. Write for circulars and prices before buying any other. Also manufacturers of **SWEEP HORSE POWERS.**

W. R. HARRISON & CO., Massillon, Ohio



Barnes' Little Giant Truck.

(PATENTED).

Made of malleable iron. Can be used for more purposes than any truck ever made, and is sold at a low price. Every family should have one. We also manufacture a complete line of high grade Iron and Brass Hand and Wind Mill Pumps and Cylinders, Cast Iron Sinks, etc. Send for Circulars, Catalogue and Prices.

The Barnes Mfg. Co.,

MANSFIELD, OHIO.



FAMILY, CONFECTIONERY, HANGING & POSTAL =NOVELTIES, ETC.= **SCALES**

PELOUZE SCALE & M.F.G.Co 133-139 S. CLINTON ST. CHICAGO.

For sale by the wholesale Hardware trade.

QUADRUPLE Your Spring Sales

STANDARD FIBER-WARE COMPANY ★ STANDARD TRADE MARK ★ MANKATO, MINN.

In these lines by stocking up with **plain** and **decorated**

"STANDARD" WATER PAILS, DAIRY PAILS, CHAMBER PAILS, CUSPIDORES, &c.,

for Office, Lobby, Hotel, Hall and Home.

WASH BASINS. SLOP JAR MATS.

Made of **strong fiber, wound,** and **steel bound,** they do not split open, nor chip off at edges, neither do their truss bottoms warp, loosen or leak.

All "Standard" goods are **waterproofed throughout,** and then **indurated by oxidation** until **absolutely unsoakable.**

"Standard" is the only Fiber-Ware having **hand-painted decorations,** which, with its other merits, makes it outsell all similar ware.

Catalogue and price list, with full particulars, sent to dealers on application to the above company.

Howard Iron Works,

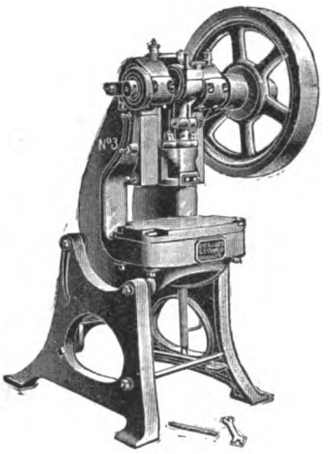
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Manufacturers of

Bench Vises.

Price Lists sent on application.

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VIEILLARD & OSSWALD,

Manufacturers of

PRESSES AND DIES AND SPECIAL MACHINERY

FOR THE WORKING OF SHEET METAL

Dies for Sheet Steel Stampings a Specialty.

708-710 Jamaica Avenue, BROOKLYN, N. Y., U. S. A.

WRITE FOR PRICES.



STOP

Did you ever see the like?

Seven men on one ladder—and it a small Step Ladder too—and it would carry as many more if they could get on it.

You know it keeps the old style Step Ladder busy to carry one good sized man or woman without breaking down; and they last but a year or two at best. . . . . .

This Step Ladder Will Carry All You Want to Put On It,

and will last a lifetime if you treat it half decent. . . . . .

There is but One Step Ladder made for mechanics, and

THIS IS THE ONE.

We manufacture

Single Ladders, Extension Ladders, Single Bent Rung Step Ladders,

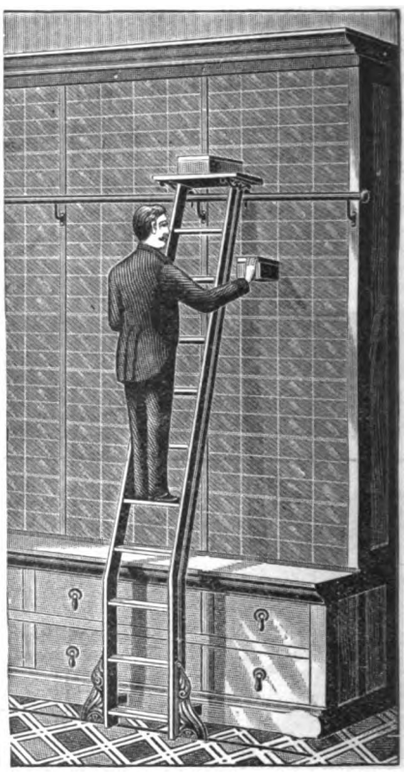
Which are all covered by patents.

No person else manufactures them but us. Write for Prices and Discounts.

Indiana Ladder Company, Indiana, Pa., U.S.A.

The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J. HUSSEY & CO., 80 John St,

H. N. YOUNGS, 40 Wall St., Bridgeport, Conn., New England Agent.

WITH PFLUEGERS LUMINOUS BAIT

You catch fish, while with others you might. Made in every suitable size and pattern known to modern anglers for



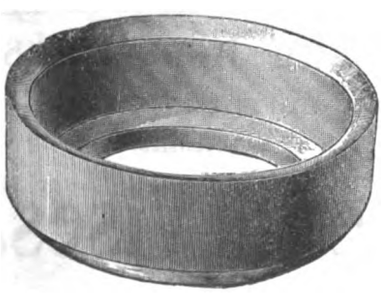
Trolling, Casting, and Still Fishing.

All enterprising dealers sell it. If not, address



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Large Illustrated Catalogue mailed free.



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Valve and Plunger Leathers.

. . Special Valves to Order . .

Special Leather Washers.

Tubular Well Cups. Iron and Brass Cylinder Cups.

Oil Well Valve Cups. Elevator Cups.

Special Cups to Order.

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MANUFACTURERS OF

PLUMBERS' WASHERS AND SPECIALTIES.

PROGRESSIVE AND ENTERPRISING.

Holmes & Edwards Silver Co., Bridgeport, Conn. [*Silverware*]: We recognize in HARDWARE a magazine progressive and enterprising.

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ENTERPRISE

Cherry Stoners



No. 1, Japanned, $7.50 per doz.
No. 2, Tinned, 9.00 per doz.



Tinned
No. 12, $12.00 per doz.

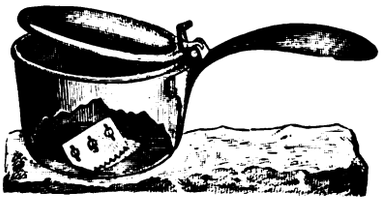
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Branch Office and Warehouse
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Our 1897 Catalogue
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GOOD SELLERS DURING THE HOT WEATHER

Ice Shredders



No. 33, Tinned, $6.00 per doz.
No. 34, Nickeled, 15.00 per doz.



No. 23, Tinned, $1.25 per doz.



THE "PHENIX" HANGER

SOLVES THE PROBLEM

How to Hang Entire Screens and Storm Windows.



It's the "Housewife's Joy" for clean windows. Ideal Ventilation, No Flies, Solid Comfort. SCREENS are hung or removed with ease from inside at any time, by any person. Sold by all principal Hardware dealers.

For descriptive Circular, price list and trade discounts, address

Phenix Manufacturing Co.,

278 Third Street, MILWAUKEE, WIS.

HARDWARE AND HOUSEFURNISHING TRADE ATTENTION



MECHANICAL LID

Do you handle everything that is good—that sells—that makes money for you? Have you got the **EYNON PATENT MIXER and BEATER,** for mixing batter for cake, mashing potatoes, and a host of other things? Lots of others sell it—**Why Don't You?** Send us your order for a sample—test it—find out all about it. **"Seeing is Believing."** Don't accept our word for it. Shall we quote you price?

EYNON & SONS,

122 N. Sixth Street, Philadelphia, Pa.



PAN AND LID

THE FINISHED STEEL CO

YOUNGSTOWN, OHIO

MFR'S OF **POLISHED SHAFTING**

You take no risk on the quality. We make only the best!

TRADE MARK REGISTERED.
BAEDER, ADAMSON & Co.
MANUFACTURERS OF
GLUE
SAND PAPER. EMERY PAPER.
EMERY CLOTH
CURLED HAIR.
FOUNDED 1826.
NEW YORK. BOSTON CHICAGO. PHILADELPHIA.

Sand Papers IN **Reams and Rolls**
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HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators.

BAEDER, ADAMSON & CO.

730 MARKET STREET, PHILADELPHIA
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The Best Equipped File Works in the World

Samuel W. Allerton. Prest. C. C. Clarke, Sec'y & Treas. A. Weed, Vice-Prest. & Gen. Manager.

The Arcade File Works

Established 1842.

WEED'S IMPROVED CUT — GUARANTEE SEAL — ALL FILES ARE FULLY GUARANTEED — SPECIAL TEMPER

Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

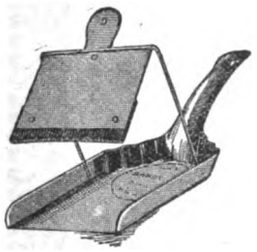
New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 97 Chambers St. and 79 Reade St. New York.

The DANDY SINK CLEANER.

. . . A perfect and complete



Household Specialty.

A Sink Cleaner and Shovel Combined. . .

Tidy housekeepers will throw away the dirty sink broom and buy the **Dandy Sink Cleaner on Sight.** . . . . .

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

John W. Sudlow, 986 HALSEY STREET, BROOKLYN, N. Y.

DO YOU KNOW

"Simplex" Couplings or Menders

Hold better without bands than other makes with best band ever made? Push them into the hose and you cannot pull or force them out. . . . .

Electric Hose.

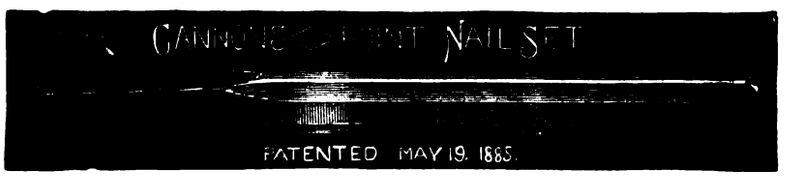
Handsome, durable and will stand all kinds of abuse, 500 feet in one length, on reel. Send for sample. . . . . .

KING & KNIGHT, 31 Wendell St., Boston, Mass.

SPECIAL SALE

For a short time only. In order to still further increase their sale and popularity, we will, for a limited period only, make a

BIG CUT IN PRICES IN THE CELEBRATED CANNON'S



DIAMOND POINT NAIL SETS.

Send to us for this special price now, and

REMEMBER

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MANUFACTURED BY

THE STORM MFG. CO.

John H. Graham & Co.,

Sole Selling Agents,

113 Chambers Street, - NEW YORK.

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CHATILLON'S SPRING SCALES.

For more than **sixty years** we have carried on the business of making **Spring Scales,** and have made it OUR SPECIALTY.

Our experience in the business, together with our unequaled facilities for manufacturing, enable us to produce a superior article, and thus to maintain the well-known reputation of **Chatillon's Spring Scales** as above that of other makes.

All our Scales are warranted to weigh accurately and to be perfect in workmanship.

FOSTER BROS.'
BUTCHER KNIVES, CLEAVERS, STEELS, &c.

TRADE MARK

These Tools are recognized in the Markets, Packing Houses and Abattoirs throughout the U. S., as the standard of excellence, quality being the first consideration. We carry in stock every style and size of Knives, Cleavers and Steels used in cutting meat; also Knives for kitchen use in Hotels, Restaurants and for domestic purposes.

FRIEDERICH DICK'S MAGNET DIAMOND STEELS.

TRADE F. DICK MARK.

By careful workmanship and the use of a special steel in their manufacture they have become famous throughout the world.

PHOENIX KNIFE CO.'S POCKET KNIVES.

We have recently become interested in the manufacture of Pocket Knives, and solicit the trade of our friends on a first-class Pocket Knife, equal to any knife made, foreign or domestic.

JOHN CHATILLON & SONS,

ESTABLISHED 1835.

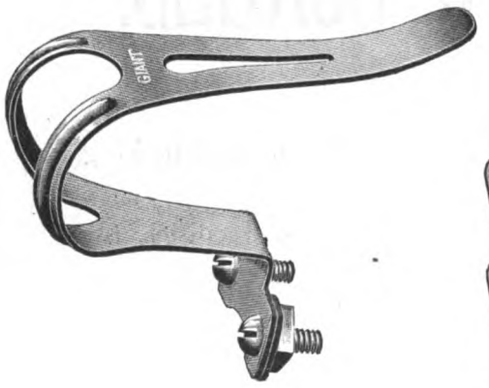
85 to 93 Cliff St. and 12 Jacob St.,

NEW YORK CITY.

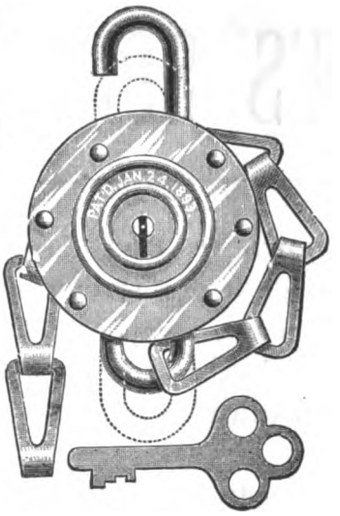
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Have no trouble in selling this line of Sundries.



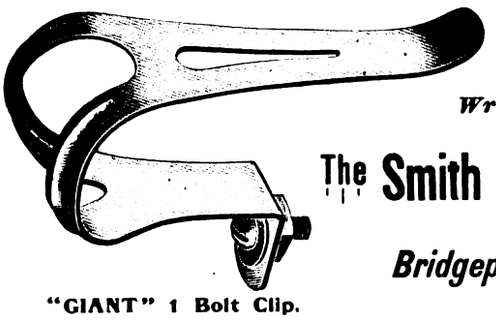
"GIANT" 2 Bolt Clip.



No. 12 Lock.



Sprocket Lock.

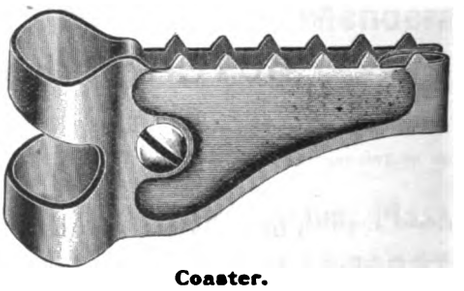


"GIANT" 1 Bolt Clip.

Write for prices to

The Smith & Egge Mfg. Co.,

Bridgeport, Conn., U. S. A.



Coaster.

LINEN FIRE HOSE

For Underwriters' Uses and Fire Protection Generally.



—BRANDS:—

RED AND BLUE LINE,
STANDARD, COMPETITION.



Write for Price List and Discount Sheet.

THE ROSSENDALE - REDDAWAY BELTING & HOSE CO.,
NEWARK, N. J., U. S. A.

MANUFACTURERS OF ALL KINDS OF BELTING. STITCHED COTTON BELTING.

In Our Line of Elevators and Hoists



We have a Hand Elevator especially adapted for use in stores, warehouses, etc., and we are sole manufacturers of

The Philadelphia Dumbwaiter.

Send for catalogue. . .

Energy Manufacturing Co.,
411 Cherry Street,
PHILADELPHIA, PA.

WAGON UMBRELLAS and BUGGY CANOPIES.

Everything in that line.
Our motto "Keep a-goin'."
Especial attention invited to

Sprague's Patent Giant Frame Wagon Umbrellas.

It is the Strongest Umbrella on the globe.
Write to us, and let us prove it.

SPRAGUE UMBRELLA CO.,
Norwalk, Ohio.



Dumb Waiters.....

that don't keep you waiting.

Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,
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Buy and Sell Exchange and Cable Transfers on

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HARDWARE

VOL. XV. JUNE 10, 1897. NO. 5.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade. Published the 10th and 25th of each month, by the HARDWARE PUBLISHING CO., No. 143 CHAMBERS ST., NEW YORK.

BRANCH OFFICES: CHICAGO, - - - - - ASHLAND BLOCK.
BOSTON, - - No. 33 EQUITABLE BUILDING.
CINCINNATI, - - - No. 316 VINE STREET.

Subscription, $1.00 per year. Subscription, Foreign, $1.50 per year.

JAMES H. KENNEDY, - Editor and Manager.
HENRY HOPKINS, - - Associate Editor.
FRANK REIFSNIDER, - Western Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted to the Hardware Trade.

Editorial Trade Review.

The weather during the last two weeks has not been of a character to stimulate sales in the wholesale centres, as it has lacked that increasing warmth which usually characterizes this season of the year, and has consequently checked the purchases in many special lines which are customarily busy at this period.

The business transactions of the country as to volume are shown more clearly in the clearing house reports of the principal cities, and while those for the month of May indicate a more favorable state of affairs than existed a year ago, the increase is scarcely noticeable, being less than two per cent.; while compared with May, 1895, a positive decrease of fourteen per cent. is evident. This gives evidence of a too conservative condition of commercial movements generally, of which the Hardware business has known its proportion.

The industrial disturbances, which on account of reduction in wages and resulting strikes, are noted all over the country, bid fair to make a very unfavorable condition of business during the ensuing summer, especially in the iron and steel departments of our progressive industries.

The agitation of trust possibilities in a few lines, notably that capable of controlling the Wire Rod market, affecting as it naturally would, the entire nail market with special force, has had the effect of strengthening the prices of a number of commodities on which the profits have been light or entirely absent; and to this extent the agitation has increased sales among the local jobbing trade throughout the States. It is doubtful if a control can be obtained of so extensive an industry as that of Wire Rods, embracing as it does several companies possessing almost limitless resources for the prosecution of a successful business; companies that would need an extensive output to utilize their enormous plants, rather than prohibitory prices with a hesitating market. Production is being cheapened so greatly by these larger producers they are no longer satisfied with the trade of the United States alone, but are stretching forth their ambitious hands to reach those of every commercial nation susceptible to low prices. The times are no longer favorable for trust conditions which are too apt to produce prices founded on cupidity instead of on a demand and supply backed by industrial economy.

At Last the Dawn Approaches.

The season now passing is beginning to be regarded by intelligent observers as the last dying echo of that period of uncertainty which has handicapped the Hardware trade of the country, and made the volume of business in that line since election a disappointment to many.

With the settling of the tariff question on some solid basis, that can be relied upon to run during the continuance at least of the present administration, a stimulus will be given to commercial transactions that will prove a stepping-stone to a future of promise, and bring in its train a larger volume of steady business, with the prospect of a fair percentage of profit.

Signs of that improvement in our industrial future are even now visible in many parts of the country, accompanied, too frequently, by strikes and other disturbances from workmen who are zealous in their demands even before the fogs of depression have been lifted from the fields of labor, and the manufacturer can know for certain that the wheels have not b en moving simply to keep his hands together and enable them to pay up their local indebtedness. In many localities the progress to prosperity will be more moderate than in others, and it behooves the restless worker to go slow, as we will all profit more greatly under a general revival than an improvement noticeable only in spots.

The railroads begin to show increased earnings, and in the improving of their equipment generally show greater signs of life than have been visible in several years. Money continues abundant in all the trade centres, only awaiting a profitable employment to enable those with big enterprises on hand to obtain what is essential for their needs, at low rates of interest.

An increase in the facilities for production among our manufacturers is visible on every hand. Old plants rendered valueless by the new and improved machine y invented during recent years are dismantled only to be improved; new processes take the place of those that have become obsolete, by which a more economical output can be assured and dividends anticipated.

The recent announcement from government sources that our exports of manufactures from the United States, during the month of March, top the record, by being "the largest exports of manufactured commodities for any single month, the percentage of manufactures to gross exports being largely increased over the previous high record of over twenty-

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six per cent.," inspires the country with the fervent hope that this happy state of affairs will continue indefinitely, and the year 1897 establish a new record worthy of future emulation.

After the usual summer dullness, there will remain but little doubt that we are steadily occupying the vantage ground of commercial advancement, from whence for years there will be no retreat. With markets opening in every direction for our ambitious productions, with idle capital awaiting investment, that can be relied upon to back up any project, no matter how vast, that presents an honest front with possible gain; with our merchants and manufacturers all standing shoulder to shoulder for the advancement of that future prosperity we have hoped and longed for, let us hope the future will be freed from the blighting influence of those combinations and grasping trusts which strangle the multiplying industries demanded by the markets of the world, and stultify the greatness of our commercial relations, in the interest only of a speculative cupidity always detrimental to legitimate traffic and fatal to a nation's industrial supremacy.

Surface Indications.

In their last weekly review of trade, R. G. Dun & Co. state that "in amount of defaulted liabilities the month of May was the smallest since September, 1895; in manufacturing liabilities the smallest since November, 1895, and in trading liabilities the smallest except the last month, since September, 1894." They add also:

"The statement that, except for the temporary depression in prices, the volume of business transacted is now larger than it was in 1892—the year of greatest prosperity—has been questioned by some. But a comparison of prices this week in the leading branches of manufacture not only confirms that view, but shows a remarkable similarity to the course of prices in the earlier months of 1879, when the most wonderful advance in production and prices ever known in this or any other country was close at hand. The key of the situation is the excessive production of some goods in advance of an expected increase in demand. So in 1879 consumption gradually gained, month by month, until suddenly it was found that the demand was greater than the possible supply. All know how prices then advanced, and the most marvelous progress in the history of any country resulted within two years. Reports from all parts of the country now show that retail distribution of products is unusually large and increasing."

These unmistakable signs of a returning vitality to all branches of trade, are of a tenor to impart confidence to the mercantile fraternity, and make them feel that separated possibly by a few months only is a volume of business that will tax our industrial resources to their utmost.

The Sidney Steel Scraper Co., of Sidney, Ohio, have published an attractive leaflet, in illustration of their extensive line of solid pressed steel tray wheelbarrows, mounted on their wood or tubular iron frames, all complete with steel spoke wheels. They are also manufacturers of drag and wheel road scrapers, contractors or road plows, truck and baggage barrows, garden barrows, etc.

The Winton Motor Carriage gave an exhibition mile against time at Cleveland, during the races on Decoration Day, making a mile on a circular track in one minute and forty-eight seconds, breaking, it is said, the world's record.

Heard And Seen At The Club.

An honored member of the Hardware Club was relating his experience with the grip: "The doctor prescribed whiskey," said he, "and as I was flat on my back, my wife was compelled to give it to me with a tablespoon. As I smacked my lips after the first dose, she looked at me suspiciously, and said, 'Why, father, *I believe you like it!*'"

"And how long have you been married?" asked one of the listeners.

"Thirty-four years."

"And never gave it away in all that time!" was the comment of the crowd.

"When I was out West," said the maker of tools, "a young man registered at the hotel, and set in to make things lively. The first night, he played poker with the landlord, and cleaned him out; the next night, he came home drunk, and whipped the cabman; the third night, he went up and down the halls, singing at the top of his voice, and daring the chambermaids to come out and embrace him. In the morning, they asked for the key of his room, and gave him his bill. He looked it over, and then said, with surprised pathos, '*Don't you make any discount to ministers?*'"

"We had a young preacher in our pulpit," said another, "out in New Rochelle, and he was explaining the greatness of the Creator, in both small things and large. Said he, 'When God made the great mountains, He made the little hills. When he made the ocean, He made the dewdrop. When he made the whale, He made the minnow. When he made *me*, He made a daisy!"

"Speaking of preachers," said one of the three handsome club governors, "reminds me of the colored pastor who met one of his deacons going home at midnight with a bag of chickens on his back. Said he, sternly, 'Deacon Jones, where you git dem hens?'"

"I stole em."

"Yes, but *where* you stole em?"

"What's dat to you?"

"Brudder Jones, is you so mean dat you won't put your poor old pastor on?"

There is a member of the club who is young in years, but is already the active managing head of a large retail and wholesale Hardware establishment. He was relating an experience, the other day: "I was standing near two clerks, who did not see me. The younger asked the other—who was ten years older than myself—in regard to a special discount. Said he in answer, 'I don't know. Ask the old man.'

"I wondered who he could mean. The clerk seemed to know, for he put straight to the office, and asked for me.

"Was I offended? Not much. It was the proudest moment of my life. No man is ever 'the old man' about a store, unless he is respected and liked. It means power, appreciation, respect. When a man of my age earns that title, he ought to feel happy enough to go out and throw roses at himself."

Although James D. Foot was afar across the briny deep, his visible presence was felt in the club rooms, each hour of the day. The fragrant products of his greenhouse in New Rochelle are still found upon the table in the foyer, and brighten the club rooms with their beauty and fragrance. One may do a great deal of good, and give much pleasure, in this world, if, like Mr. Foot, he sets out to find a way.

Through the efficient labors of the library committee, a frame containing the daily weather reports, has been put up in the main hall.

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SOME VIEWS FROM AN ANCIENT.

Editor Hardware: There was a Hardware salesman from New York, who came over to see me the other day, who was the worst specimen of an indigo bag I ever saw. Blue! That was no name for it.

He left a dull, leaden hue in the whole neighborhood.

Did he sell me any goods?.

He did not.

He said the country was going to the devil. He cursed McKinley and his administration. He was for free silver, free trade, free lunches—anything different from the things that are. He ran the whole country down, from Maine to Texas—and when he got me into his frame of mind, he pulled out his samples, and with a sigh, set out to sell me a bill of goods.

I said to him: "Young man, why should I take on any more of a load, when the whole outfit is going to smash? No, sir! I feel more like shutting up shop, paying a cent on the dollar, and going into politics."

Even then he blamed the country, rather than himself, because he did not make a sale.

Don't send me any more boys of his build, Mr. New York. I like a salesman who comes in with a smile, a new story, a fund of heartiness—such fellows as J. E. Sleight, George B. Main, Howard Beach, Harry Hopkins, E. Bertram Pike, or Joe Limeburner.

God bless them, and their whole connection. They are traveling sunbeams.

It don't do for anyone, especially one who is selling goods, to tell all he feels and knows. Something should be kept in reservation. I have a grandson who illustrates the point.

A man drove up to the store the other day, and hailed me with: "I hear your son has a hoss to sell?"

"Yes," said I, "he has a fine little bay mare he would part with."

"Fetch her out," said he.

We went back to the barn, followed by five-year Jim, my grandson. The mare was brought out, and the visitor was quite taken with her. He asked her age, looked her over, found out the selling price, and then asked, "Any bad habits?"

"No," said I promptly.

Young Jim stood with his hands in his pockets, his legs apart, his hat on one side. As I answered, he looked up, and in a shrill voice, exclaimed:

"*She balks!*"

"She does, sonny?" said the man. "That's a good boy, always tell the truth."

"The kid don't know what he is talking about," said I. "Sometimes she shies, and that's what he means."

Young America turned an indignant eye on me. "Now, grandpa, you know she does. Didn't dad build a fire under her to make her go?"

The stranger patted him on the head, and gave him a nickel.

"You don't want her?" I said.

"No, I don't think I do."

I said nothing to the boy. He will know more when he is older.

Here is the moral for salesmen: Tell nothing but the truth, but not all of it.

There is a painter in our town who is not very bright, but who occasionally stumbles on the right thing. The other day the General, whose past is shady in spots, was holding forth at a great rate, on the porch of my store.

"Paint, Thomas," said he, "is a great hider of weak spots. It covers the rust, evens up the rough places, fills the cracks and knot holes, makes the old look new, and hides the blemishes from the human eye. In work like this, Thomas, you are a deceiver, and yet a necessary evil."

"Yes, General," said Thomas, slowly, "don't you want me to go over your reputation?"

Here are some maxims for clerks that I have studied out, in a long course of business:

Never do to-day, what you can shove off on a fellow clerk tomorrow.

Keep at the back end of the store as much as possible, so that the other boys will have to wait on customers.

Always keep a novel under the counter, to catch up when the old man is out.

Keep your eye out for a soft snap.

Don't do any more work than you are paid to do.

Be the last one to come in the morning, and the first to leave at night.

Don't do a thing outside of your prescribed duties.

Find fault with your place and salary.

Show up the weak points of your establishment to the clerks of other houses.

Be as snappy with customers as you dare.

Tell your fellow clerks all the things you hear against the boss.

Threaten to leave, whenever fault is found with you.

Believe that the world owes you a living, and act on that belief.

If the above rules are strictly followed, you will be out looking for a job in about thirty days from date.

I have a clerk who insists on smoking cigarettes upon every possible occasion. Will some one tell me what I should do with him? A. N. OLDMAN.

The New Club Manual.

At the request of the Board of Governors of the Hardware Club of New York, Alfred D. Clinch again undertook the difficult and trying task of preparing a manual for the club for 1897. The work has been completed and published to the unqualified satisfaction of the officers and members of the club. The constitution as amended up to March 20, 1897, appears in full, and the by-laws, house rules, articles of incorporation, etc. With his usual close application and exactness, Mr. Clinch has prepared a list of the resident and non-resident members, with the names of the concerns with which they are connected, and also a list of the members who have passed away. The total of membership up to April is shown to be 685, of which 570 are resident, and 115 non-resident. The book is nicely printed on good paper, and is bound in green cloth with the club monogram on the outside cover. The club is certainly under obligations to Mr. Clinch for the care and ability he has shown in the preparation of this work.

The second annual meeting of the Michigan Hardware Association will be held at Battle Creek on Wednesday and Thursday, July 14–15, 1897. Every Hardware dealer in the State is cordially invited to attend. An excellent program has been arranged and papers of importance to the Hardware trade will be read by some of the leading dealers in the State.

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The Putnam Horse Nail Co.

As will be seen by reference to our Prices Current, an important change in quotations has been made by the Putnam Nail Co , of Neponset, Boston, Mass., their discount being 25% instead of 15% as heretofore. We are informed by the company that this action is the result of a controversy, extending over some time, with representatives of the larger jobbing houses of the country, who are not satisfied with the system of prices to which the company have adhered. The claim of the jobbers is that these prices do not offer them sufficient protection, the more especially as they were not in position to sell the small jobbers at what they considered a reasonable margin of profit. They accordingly made efforts to persuade the company to make terms which would be more favorable to themselves; the company, instead of doing this, have thought best to make the change above referred to in the interest of the smaller trade. An announcement made by the company will be found upon page 63 of this issue, and the subjoined communication from the treasurer of the company will throw further light upon the subject. The company announce that for the convenience of the trade west of the Rocky Mountains a stock of goods will be carried in San Francisco, which will be offered at the price above quoted. The communication to which we refer is as follows:

THE HARDWARE JOBBERS AND PUTNAM NAILS.

Editor Hardware: The contest that is now going on between the large jobbing houses of the country, associated under the name of the National Hardware Association, and one of the large manufacturers of the country, namely the Putnam Nail Co., as to the method of the disposal of their goods to the trade, must be of intense interest to all of the local jobbers throughout the country.

It is an attempt on the part of the Association by cooperation of its members, to either force the company to so dispose of their goods as to secure the large jobbers a 15 per cent. profit between them and the local jobbers, or else to refuse to handle Putnam Nails entirely.

Although there has been so far as known, no joint official action by the Association, still, nevertheless, by correspondence and otherwise, the purpose is manifest, inasmuch as many members of the Association have signified their determination to join hands to effect their object, that is, to force the company to so regulate their quotations as to secure to the large jobbing trade the 15 per cent profit before mentioned.

Now, it is evident that a great principle is to be decided by the success or failure of this effort on the part of the National Hardware Association.

In years gone by, it has been absolutely necessary that the large jobbing trade should handle the goods of the manufacturers, and that they should be the great distributing agents to the local jobbers throughout the country, but of late years the large jobbers have prevailed upon the manufacturer to deliver their goods directly to the local jobbers, thus saving the large jobbers the heavy expense items of handling, storage and freight, and putting upon the manufacturers the burden of carrying the stock formerly borne by the legitimate jobber. This method of the manufacturers delivering to the small local jobbers, has brought about business relations between the manufacturer and the local jobbers, and they are now seriously asking the question, why there should be a 15 per cent. profit between them and the manufacturer, when the goods come directly from the manufacturer to their store.

The situation now is simply this: Will the local jobbers throughout the country sustain the position taken by the Putnam Nail Co., and place their orders directly with the manufacturer? The issue is momentous in its consequences, to both the local and the large jobbing trade. If the large jobber can succeed in forcing the company to withdraw their favorable quotations from the local jobbers in this instance, it will go a long ways towards bringing about, and establishing the principle, that the manufacturers must recognize the large jobbing trade, and give them a large portion of the profits, which really of right belongs to the smaller jobber. Will the local trade arise to the importance of the occasion by sending in their orders direct to the Putnam Nail Co., and thus encourage them in this battle royal with the National Hardware Association?

Of course, every one knows that this is not a matter simply of the purchasing of horse shoe nails. A great principle is at stake. The outcome of it will decide whether the local trade are to come in direct contact with the manufacturers and thus receive a profitable margin in the disposal of their goods to the consumers, or whether they wish from this time on to be tied hand and foot and compelled to pay tribute to the large jobbing trade.

If this results in a victory to the Putnam Nail Co., other manufacturers will adopt the same principle, and the local jobber will receive a profit to which he is justly entitled.

The Putnam Nail Co. solicit correspondence from the trade throughout the country, and will gladly make them such quotations as will prove exceedingly profitable to them in the handling of Putnam Nails.

Boston, Mass., June, 1897.

"A Lesson on the Tiger."

The Stoddard Mfg. Co., Dayton, Ohio, must certainly be credited with advertising matter of a high grade, reflecting great credit upon that department of their extensive plant. In a recent issue we were pleased to note their handsome and artistic catalogue, which is far in advance of the usual manufacturers' catalogue of any special production; since which, we are in receipt of their 1897 show card, or hanger, which is entitled "A Lesson on the Tiger," and which is a faithful reproduction by lithography in twelve colors, of that masterpiece by Hans Dahl—the famous artist now known in the art circles of Europe—of the painting originally known as "On a Country Road in Norway." The use of it in this connection is of course to advertise the celebrated "Tiger and Tigress" wheels, manufactured by the Stoddard Mfg. Co. The picture is a work of art that would certainly be an ornament to any appartment in which it might be placed. We give a description of the subject:

"It is a winsome scene. It sets the beholder to smiling as if he were only another gay figure on the canvas. A rollicking young fellow of the city, off for a lark on a wheel, in the land of fiords and tow-headed and buxom girls, has come across a group upon the roadway. The story is as clear as the sky which the artist has painted. You can almost hear all the talk and the laughter which have gone on in that merry company.

"The wheelman has dismounted, and up into the saddle one of the jolly peasant girls has clambered. She is coasting unsteadily down the hill slope, with the wheelman holding her on one side and one of her companions on the other. About them, laughing and shouting, the rest of the bevy run, with their golden hair hanging down their backs, their eyes dancing, and their white teeth gleaming. At one side stands a yellow-pated youngster, wonder-eyed, watching the mad, merry show, and beyond, reaching to the clouds, rise the snow-crowned, multicolored mountains clear in the wonderful sunlight, like massive spectators of the sport. It is a wonderful picture from other standpoints than that of the bicyclist."

The Stoddard Mfg. Co. announce their willingness to send copies unframed by mail on receipt of twenty-five cents, or in a beautiful and appropriate frame, under glass, and handsomely matted, delivered at the express office, at a cost of one dollar.

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FOREIGN CUTLERY AND THE TARIFF.

The following important communication carries its own explanation:

NEW YORK CITY, May 22, 1897.

The Finance Committee of the Senate, Washington, D. C.:

Gentlemen: We, the undersigned, desire to make a most earnest and emphatic protest in opposition to the complex system of duties, based on value, as incorporated in the Senate Amendment to the Dingley Bill on Cutlery.

It is claimed that the mixed duties prevent undervaluation. It is the very method that makes undervaluation easily possible. We claim to be honest merchants, and challenge the strictest investigation of our records, both inside and outside the Appraisers' Department, and in some cases our records cover a period of sixty years.

Prior to the McKinley Tariff the rates on Cutlery were purely ad valorem, and under that system cases of undervaluation were substantially unknown, because, in order to make any satisfactory gain, the undervaluation must naturally be so great that the risk involved deterred dishonest people from the attempt.

It has been shown to the Committee on Ways and Means that under the complex system of the McKinley Tariff on Pocket Knives, by an undervaluation of 5 per cent. only, a saving of 21 per cent. in the cost of the goods could be made, and by the same system under the Wilson Tariff, by an undervaluation of 5½ per cent. only, a saving of 16 per cent. in the cost of the goods could be obtained, and that these results could not be accomplished under a purely ad valorem system, representing the equivalent rates of duty, without undervaluations of about 40 per cent. and 31½ per cent. respectively, which would be easily detected, and incur tremendous penalty.

It has been demonstrated over and over again that the system of mixed duties on Cutlery, based on value, has the effect of putting the trade into the hands of unscrupulous men, and of driving honest men out of business, and this has been the condition ever since the inauguration of the system. To substantiate this statement, we appeal to the Appraisers' Department, and to the Board of General Appraisers. Therefore, by adopting such a system, the Government has, under the McKinley and Wilson Bills, been put into the unenviable position of backing up dishonesty, and the Senate substitute to the Dingley Bill proposes to continue the iniquitous plan.

The Dingley rates, dividing the different classes by number of blades, instead of by values, while absolutely prohibitory on the great bulk of Pocket Cutlery of all sorts, had this merit: They were not in favor of dishonesty. If they drove out of business the honest men, they would also drive out the dishonest men. We, therefore, submit that the only just and equitable method of levying duties on such goods as cutlery, where values vary many hundreds per cent. on same descriptions, is by purely ad valorem rates.

We understand the American manufacturers of Pocket Knives, before the Ways and Means Committee, contended for an average of 70 per cent. ad valorem, but submitted a misleading schedule, which was adopted by that Committee, and which, based on the importations for the fiscal year 1896, figures out an average of 137 per cent. ad valorem. The average ad valorem rate on Pocket Knives under the McKinley Tariff was 91¼ per cent., which resulted in a decrease of importations for the fiscal year 1894 of 70 per cent. from the imports of 1890, showing that these goods cannot stand any such excessive rates as were imposed by that tariff.

The average rate under the Wilson Tariff is 53 per cent., and, while giving ample protection to American manufacturers, has produced considerable revenue, and would have produced more, except for the ease it affords dishonest people to swindle the Government. There is no reason f r supposing that, if the rates proposed in the Senate Amendment, which average 99 per cent., should be put in operation, any different result would follow than under the McKinley rates, and it is quite safe to predict that any such rates as proposed in the Senate Amendment must prove an ultimate failure from a revenue standpoint. When it is understood that 85 per cent. of all Pocket Cutlery imported costs abroad less than $1.50 per doz., passing into the hands of consumers of small means, it will be seen that to levy the enormous rates proposed will prohibit the importation of these goods, and deprive the people who can least afford it, of the opportunity of supplying their wants, as the American manufacturers do not produce anything which can take their place.

While holding strongly to the opinion that an equitable ad valorem duty would best serve the purpose of the Government and honest merchants, nevertheless, if Specific Rates are insisted on, there is only one method of levying such rates, and avoiding the condition of undervaluation that has existed and grown ever since the inauguration of the complex duties, based on value, and that way is to follow the scheme of the Dingley Bill in taxing the number of blades. We therefore submit the following calculation, based on the imports of Pocket Knives for the fiscal year of 1896. This calculation averages 78½ per cent. ad valorem, is quite safe against undervaluation, and is the utmost the goods will bear without utter destruction of revenue.

Dozen.		Average Price Per Doz.		At Ad Val.	Per Doz.	
296,000	40c. per doz.	$0.26	$76,960	20%	$0.10	$44,092
	Value over 40 c. per doz					
48,000	1 blade	0 60	28,800	20%	0.40	24,960
392,000	2-blade	1.03	403,760	20	0 80	315,952
277.000	3-blade	1.27	351,790	20	0.80	291,958
254,000	4-blade	1 73	439 420	20%	1.00	341,884
1,267,000			$1,300,730			$1,019,746
						Equal 78½%

This schedule averages a specific rate of 60 cents per dozen. The McKinley schedule averges a specific rate of 43½ cents per dozen.

Table Cutlery, Carvers, etc. The most carful estimates indicate that only about 5 per cent. to 7½ per cent. of the consumption is imported, and these mainly on account of the reputation of the makers back of them. On all such goods the market price is well known, and no chance for undervaluation exists. These goods should, without question, be subject to an ad valorem rate only, and when we say that the American manufacturers have obtained from 90 per cent. to 95 per cent of the consumption under heretofore existing rates of 35 per cent. to 45 per cent., we think it must be patent to any one that this rate is sufficient for protection, and should be made lower if increased revenue is desired. As the proposed bill now stands, stag handle table knives and forks run up to 355 per cent.; rubber, bone and celluloid handles, up to 157½ per cent.; pearl and ivory handles, up to 145 per cent.; carving knives and forks, up to 175 per cent., which rates are, of course, absurd, from any point of view.

Scissors and Shears. These have never paid a higher rate of duty than 45 per cent., and this rate only during the past seven years. Prior to 1890 the rate was 35 per cent.,

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and under this rate the American manufacturers have completely captured the market on shears, and large quantities are exported, some domestic manufacturers having their own agents and places of business abroad for the sale of these goods.

Ladies' scissors are imported to some extent.

There is no way of putting specific duties on these goods, except by value, and we think we have made the objection to this system clear enough. The complex rates in the proposed tariff bill average about 70 per cent., and would be largely prohibitive, on account of advancing the prices to such extent that people could not buy them. There is no warrant upon any ground for change from the present rate of 45 per cent.

Razors. There is no way of putting specific duties on these, except they are based on value, which carries the objection we contend against. The highest rate ever put on razors, except under the McKinley Act, was 50 per cent. ad valorem, and there is not just cause for any change from the present rate of 45 per cent., but as a revenue measure we reccommend the adoption of 50 per cent. ad valorem.

We close with a strong appeal to the Senate not to permit the adoption of any plan of duties that involves specific rates based on value, as being distinctly vicious, and encouraging immoral practices, and as being seriously detrimental to honest merchants.

We also urge that Sections 149 and 151 of the Tariff be amended so as to read as follows, and, the rates herein mentioned being amply protective to American manufacturers, and as high as the producing of revenue will allow, we protest against any schedules adopting higher rates than the following on cutlery:

"Section 149. Pen Knives or Pocket Knives, Clasp Knives, Pruning Knives and Budding Knives, of all kinds, or parts thereof, and Erasers, and Manicure Knives, or parts thereof, wholly or partly manufactured, valued at not more than forty cents per dozen, ten cents per dozen and twenty per cent. ad valorem.

Valued at more than 40c. per dozen, 1-blade, 40c. per dozen and 20% ad valorem.

Valued at more than 40c. per dozen, 2-blade, 60c. per dozen, and 20% ad valorem.

Valued at more than 40c. per dozen, 3-blade, 80c. per dozen, and 20% ad valorem.

Valued at more than 40c. per dozen, 4-blade, $1 per dozen and 20% ad valorem.

Razors and Razor Blades, finished or unfinished, of all kinds, 50% ad valorem.

Scissors and Shears, and Blades for the same, finished or unfinished, 45% ad valorem.

Section 151. Table, Butchers', Carving, Cooks', Hunting, Kitchen, Bread, Butter, Vegetable, Fruit, Cheese, Plumbers', Painters', Palette Artists', and Shoe Knives, Forks, and Steels, finished or unfinished, 35% ad valorem."

Respectfully submitted,

ALFRED FIELD & CO.
HERMANN BOKER & CO.
VOM CLEFF & CO.
GEO. WOSTENHOLM & SON, Ltd.,
per Edward Beckett.
WIEBUSCH & HILGER, Ltd.,
per W. M. Taussig, Treasurer.
GRAEF & SCHMIDT.
FABYAN KNIFE CO.
JOSEPH F. MCCOY CO.,
Joseph F. McCoy, President.
GEO. BORGFELDT, & CO.
F. A. KOCH & CO.
JOHN G. WITTE & BRO.

HARDWARE'S "Prices Current" are reliable.

Powder Wagons Proposed.

The city council of Saginaw, Mich., and the fire department and Hardwaremen of that city, are having some discussion of means by which the last named will be permitted to carry gunpowder in stock. Under the present local laws they are allowed to carry but twenty-eight pounds of gunpowder in stock and only seven pounds in any one package. They are accordingly compelled to have powder houses outside of the city, and the smallness of the amount kept in the stores makes it necessary to make frequent trips to the powder houses. This takes up much time and is a very great inconvenience. The reason that they are not allowed to keep more explosives in stock is that in case of fire the firemen are hampered in their work if they know that there is a quantity of gunpowder in the store liable to explode at any moment. It also makes fighting fire under such circumstances very dangerous.

It was suggested and agreeable to the committee and the dealers, that a new ordinance be passed allowing them to keep 150 or 200 pounds of gunpowder in stock, provided that it is kept in iron wagons on wheels on the sidewalk in front of the stores day and night. In case of a fire it would be possible for any one to wheel the explosive away out of danger at a moment's notice. The chief of the fire department told the committee that he had rather 250 pounds of gunpowder would be kept in stock this way than 28 pounds as at present scattered through the stores where the firemen are liable to collide with it at any moment during a fire. It was suggested that people in need of gunpowder might wheel the wagons away, but the Hardware dealers said that they would anchor them so that they would not be taken very far, and would attend to that part of the matter.

The Wisconsin Hardwaremen.

A meeting of the executive Committee of the Wisconsin Hardware Association was held at the Palmer House, Fond du Lac, Wis., on May 24th. It was called by President John Hughes, for the purpose of transacting important business, and deciding upon a date and place of holding the semi-annual meeting. The meeting was called to order by President Hughes, with the following gentlemen present: A. Noll, vice-president, Chilton; C. A. Peck, secretary, Berlin; W. H. Hay, treasurer, Oshkosh, and A. H. Sheldon, Janesville; C. E. Dewey, of Kenosha, and D. W. Ramsey, of Madison; the other members of the executive committee were unable to attend. It was decided to hold the semi-annual meeting of the association in Milwaukee, July 20. Mr. Peck, secretary of the association, stated that they had a present membership of 70, which was an excellent showing, considering the short period of its existence.

Bicycle Chain Lubricant.

The ideal lubricant should not only lubricate the chain and sprockets, but the pivots or pins holding the links of the chain also. Lubricants made from pure Flake Graphite are superior articles when properly made. An article combining a perfect lubricant and rust preventative, put up in convenient form, is something desired by every bicyclist. To all such, Dixon's Graphitoleo will be not only welcome, but indispensable. Dixon's Graphitoleo is a preparation of a very choice graphite finely pulverized, and a pure petrolatum warranted not to gum or become rancid. It is put up in collapsible tubes, and is manufactured only by Joseph Dixon Crucible Co., Jersey City, N. J.

A German statistician says that of every 10,000 chimneys three are struck by lightning, while of the same number of towers and wind-mills sixty and eighty respectively are struck.

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Western Hardware Topics.

The cycle season is on in earnest, and it is the biggest cycle season on record. So general has the demand become for cycles, that almost every Hardware dealer has put in a stock. True, not every dealer is enabled to represent one or more makes exclusively, for the single reason that the makes wouldn't "go around." But at the present rate of people going into cycle manufacturing, by 1900 there will be enough makes to give everyone an opportunity to say, "I handle the best or the cheapest, and I am sole agent for it."

While at Columbus, recently, I looked through the records of the incorporation clerk. Of 200 records filed within a year, very nearly one-third pertained to bicycle manufacturing and its dependent interests. Add to these the great number of individual concerns or not incorporated companies, and you may get an adequate idea of what the cycle industry has got to be. Characteristic of this season's buying is that the demand centers on the better grades, from $75 up. Hard times don't go with the average cycle buyer. He wants the best for his money. And yet it was predicted that trashy wheels would rule the market in '97.

SUMMER SPECIALTIES.

The demand for summer specialties has never been better. Prices may be a little closer, but the buyers are on hand. Lawn and garden utensils, household refrigerators, sporting and outing outfits move very briskly, and the live dealer, with an assortment to suit and a reputation for handling reliable goods, knocks the persimmon.

The demand for wire goods, such as fly screens, mats, poultry netting and fencing is of good order and improving right along, and prices are well maintained. While the country buys as yet sparingly and to cover immediate wants only, even these movements are more satisfactory than they were a year ago.

Agricultural implements are still somewhat neglected, but the actual business therein will not develop before June. Buyers are holding off till the last moment, and dealers govern themselves accordingly. There is a good deal of speculation as so what this line will develop this season. It's been rather dull for some seasons past, but the growing confidence among the farmers will no doubt redound to the benefit of the trade.

WITH CONFIDENCE.

The local Hardware manufacturers and, for that matter, most manufacturers throughout the State, are looking upon the situation with unwavering confidence. I note that a majority of the plants are working full time; some of them are behind their orders. Stocks have been kept so low for several years posterior to the panic that plants can keep busy on producing stock without endangering their opportunities of placing it readily when normal conditions will again rule the market.

Builders' and plumbers' material is in good demand. There is a great deal of building and improving property going on at Cleveland, and much more is planned for speedy execution. In fact, the whole State is engaged in building and improving homes, and erecting modern commercial habitats. This unmistakable boom is due to the low cost prices which still prevail, but which another year might see doubled, or at least, greatly increased. This again shows that the people foresee better things in the near future, and are anxious to profit by the slump now.

HE SOLD HIS WHIPS.

A dealer in a Northern Ohio city was so stocked up with whips, and at the same time received such a tempting offer from a manufacturer he dealt with that he was at a loss what to do. Oh, yes, he would have told the manufacturer to go to hades with his whips, but his representative had so thoroughly ingratiated himself through long intercourse, that the dealer was loath to reject the offer. Anyway, he begged time to sleep over it. Great was his surprise when he arrived at his place of business at 10 A. M., the following day, and found the whole store crowded, some going, more coming, all carrying or talking whips. But presently the whip traveler issued from the crowd and buttonholed the dealer, simultaneously showing to him an ad. in a daily. "But holy smoke, I didn't authorize such an announcement," exclaimed the dealer. "I know you didn't, but I paid for it," replied the traveler, suavely, at the same time pointing to the crowd of whip buyers. The dealer perspired freely and almost collapsed when a few minutes later a stock clerk approached him with: "Entire stock of whips sold out!" Now, here's the ad.:

EXCLUSIVE WHIP SALE.

Largest Stock in the City.

The Best and The Cheapest.

ALL KINDS.

This morning, from 8 to 11, we are determined to close out the entire stock. Whip your friends into line. We have a surprise for you, and that's the price.——

Now, there's nothing extraordinary about this ad., but it fetched the buyers. The traveler had compounded a price on the dealer's stock which netted in the aggregate a very fair profit. Anyway, it was highly satisfactory to the dealer, for he could now avail himself of the manufacturers exceptional offer without worrying about it. In fact, he was so elated that he gave his employes and the traveler a supper at the best hostlery in the city. This shows that printer's ink is not only magnetic at all times, but magic sometimes. J. B. RINDFLEISCH.

Cleveland, Ohio.

William J. Knox.

William J. Knox, who has been connected with Chandler & Farquhar, of Boston, since the inception of the business, died at Lincoln, Mass., on April 24th, in the 29th year of his age. In the card announcing his death, the firm pay to him this deserved tribute: 'His position brought him in contact with nearly all of our customers, and his quiet and unassuming disposition made and retained them as his friends. By a studious application to the details of the trade he had acquired a knowledge of its affairs that made him an invaluable assistant to us, and we take this opportunity to express our appreciation of the sterling qualities of the man and our regrets that he should have been cut off in the midst of his usefulness."

In a recent issue, mention was made of the loss by fire sustained by W. W. Woodruff & Co., dealers in Hardware, etc., at Knoxville, Tenn. We are permitted to state the exact loss in connection with the fire. Their stock of goods amounted to about $108,000, on which they had an insurance of $70.500 They saved from the building before it burned about $15,000 worth of stock in good condition. They have cleared away the ruins, and think that they will save in a damaged condition about $10,000 worth, making a total saving of about $25,000. Taking this from the difference between their insurance, and stock of $37,500, will leave their net loss about $12,500. They are now rebuilding, and expect to be in their new quarters in about five or six months.

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NEW GOODS AND SPECIALTIES.

Kohler's Hardware Specialties.

F. E. Kohler & Co., Canton, Ohio, are manufacturers of about as large a line of useful specialties, sold by the Hardware trade, as any manufacturer we can call to mind; always on the lookout for useful novelties, they keep their desirable catalogue faced up with something new and important for each succeeding season. Among the best sellers among the many specialties in their recent catalogue, we illustrate a couple of useful tools that are having a large and extended sale, and which create a recognized demand from all parts of the country where they can be used. Fig. 1, shows their "Royal Saw Set," which is simple in construction and sure in operation, and possessing a number of novel features, makes it worthy of the consideration of Hardware dealers handling this line of tools. They are calculated to be used on either hand or band saws. Fig. 2 gives an illustration of the "Horse Nail Hog Ringer and Animal Marker." Horse shoe nails being made of the best quality of Norway iron, make a stiffer ring than the customary wire ring. The head of the nail being the heaviest part will always hang down from gravity, and thus keep the ring in the proper position in the hog's nose, leaving no points sticking out which are liable to make the nose sore. Horse nails are always kept in stock in any well regulated Hardware store, and no farmer need find it difficult to get rings suitable for this ringer. This is an admirable feature, and as the point clinches on the outside of the nose or ear the wound soon heals.

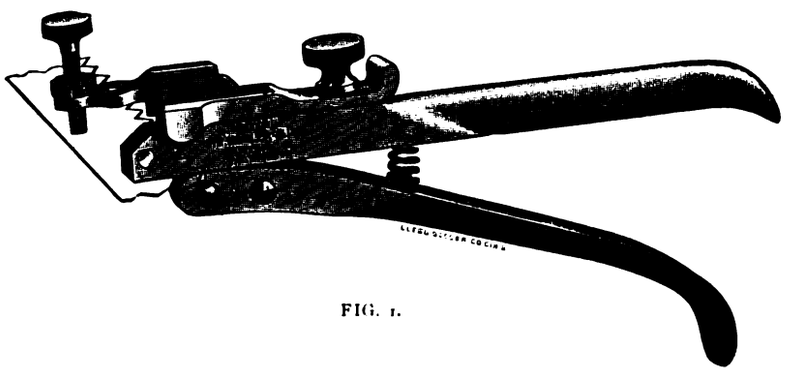


FIG. 1.

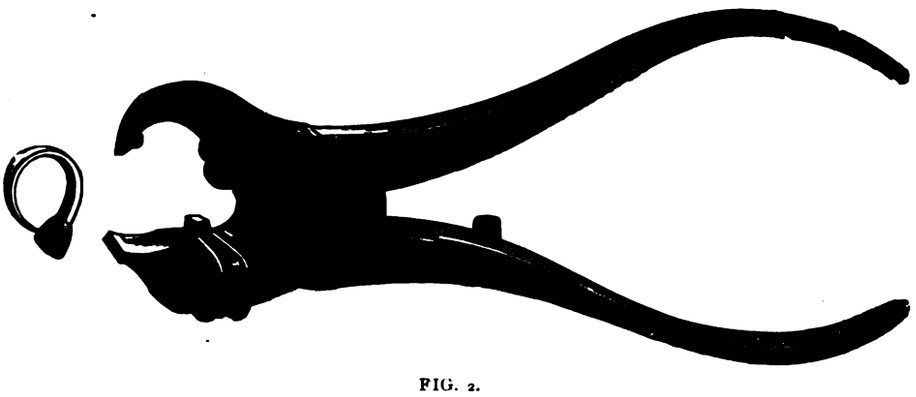


FIG. 2.

The Columbia Safety Dumb Waiter.

J. G. Speidel, No. 233 South 8th Street, Reading, Pa., has recently placed upon the market the Columbia Safety Dumb Waiter, constructed under his patents, and described by him as being "the most complete and satisfactory self-retaining dumb waiter possible to mechanical contrivance and skill." It is simple in its methods, can be set up readily by any carpenter in a short space of time, and being a self-contained machine will stay when properly adjusted. All sheaves and bearings are part of the main frame. The bearings require little if any lubrication, being either anti-friction roller bearings, or graphite lined brass bushings.

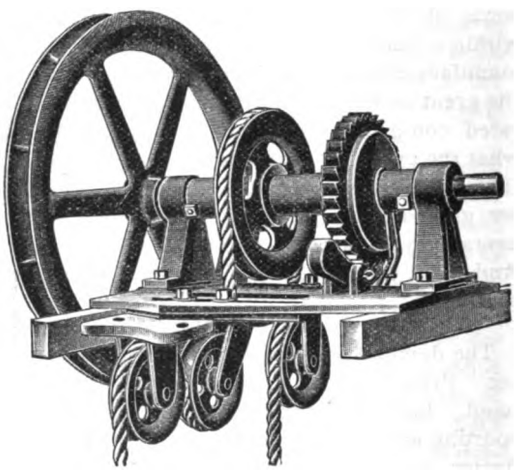


FIG. 1.

We illustrate below the mechanical features of this improved dumb waiter. In Fig. 1, is shown the smallest size of the Columbia Safety Dumb Waiter which can be used for loads up to 75 pounds, making it very suitable for the kitchen service of private residences, restaurants, hotels or for offices, stores, etc., to carry light loads quickly and safely from one floor to another. They are constructed to meet the growing demand for a machine lower in price and not as heavy as the larger similar appliances manufactured by Mr. Speidel. The sheaves run on steel pins and the shafts in babbited bearings, and as the sheaves and bearings are part of the main frame, they cannot be placed in a wrong position or readily get loose. This direct simplicity of method in putting up these machines is a very desirable feature, because unless all parts are placed in exactly the proper positions, the ropes are apt to wear out very quickly, and should the car drop in consequence, a great amount of damage would ensue. These machines can be furnished double or single faced, that is, with one or two hand rope wheels at opposite sides, and are

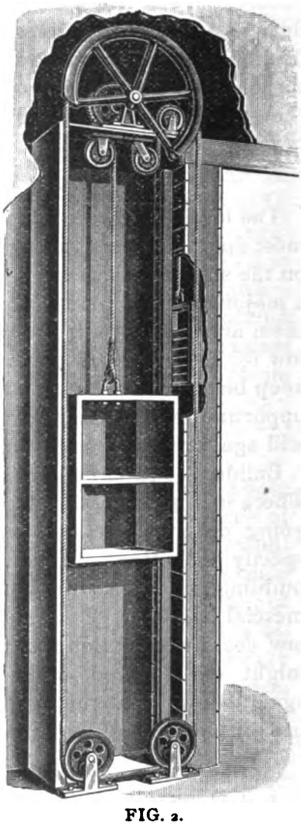


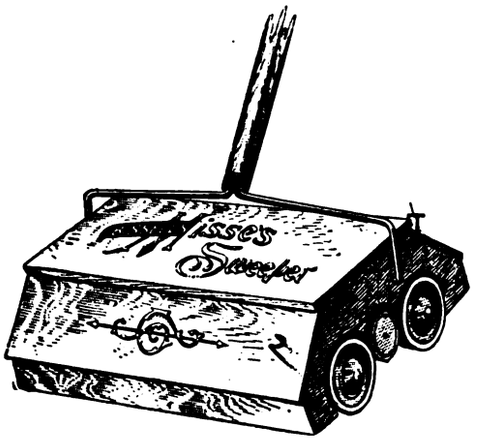
FIG. 2.

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so arranged that the balance weight can be placed at the right or left hand or in the rear. The brake being automatic, holds the car at any point of the lift whenever the hand rope is not operated, and without the use of an extra brake rope. In Fig. 2, we see this dumb waiter erected and in operation, by which some knowledge of its constructive excellence may be obtained. These machines are made with 16 or 19 inch shafts, which will suit any size hatchway. They are operated with an endless hand rope, and will stop whenever desired. Catalogues showing the whole assortment of these machines, and prices and trade discounts, will be furnished the trade by application to the manufacturer.

Bissell Carpet Sweeper Co.'s Misses' Sweeper.

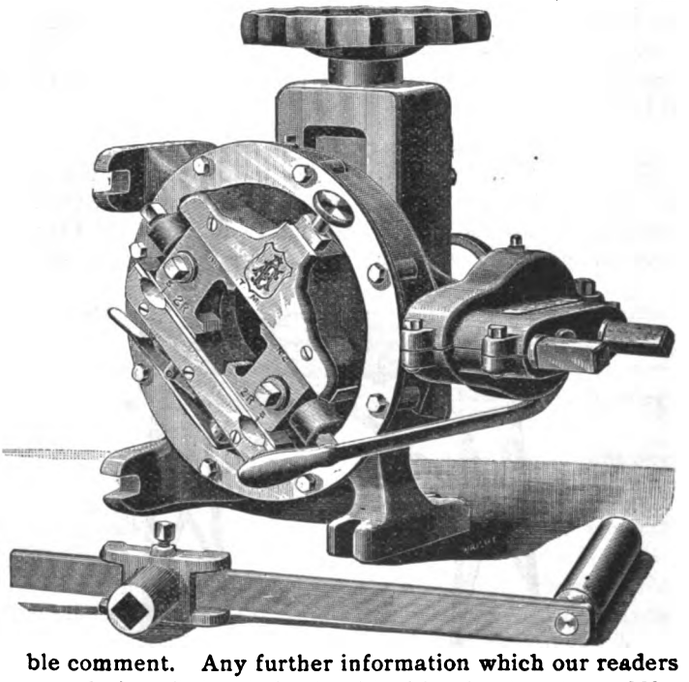
The Bissell Carpet Sweeper Co. have just produced, at the special request of some of their leading customers, a



sweeper that they have branded "Misses' Sweeper." It is expected that the "Misses'" sweeper will fill a new want in the trade. It is about two-thirds the size of the regular domestic sweeper; made of finished and polished oak. The handle is about three feet long and has a neat device for dumping the pans, and altogether is quite a neat little article. The Bissell Co. think that this little sweeper will be appreciated by young girls between the ages of ten and fifteen years who, in many cases, take care of their own rooms, and who greatly enjoy having a little sweeper for their own use. It is not intended in any way to displace the regular Bissell's Sweepers, but to fill an entirely new want in the sweeper line. Further particulars, prices, etc, may be obtained by addressing either the New York or Grand Rapids office of the Bissell Carpet Sweeper Co.

New Armstrong Pipe Threading Machine.

The machine which we illustrate is the outcome of frequent calls received by the Armstrong Mfg. Co. for a machine threading from ¼ to 2 inch pipe, and the natural desire of the company to turn out a tool for this purpose superior in construction and operation to any heretofore manufactured. It will be known to the trade as Armstrong's No. "O" pipe threading machine, and uses the well-known regular Armstrong adjustable dies, which are put in the machine and adjusted in the same manner as in the hand stock. These dies can be opened after cutting a thread, and when the pipe is removed may be locked back to the standard size without resetting This is accomplished by an automatic locking device which is operated by simply pulling a knob. The dies, however, can be adjusted to the variations of the fittings, the same as in the stock. All the gears and moving parts of the machine are run in oil, being enclosed in a chamber which covers and protects them from chips and dust, doing away with any possible chance of chips or dirt getting into the gears. The machine is self-oiling in all its parts, oil being admitted through two holes which are closed by screw plugs. The die head has no teeth on the part where it fits into the shell and forms a bearing, in this way preserving its bearing surface and making it impossible to get loose, as is too often a common occurrence with some makes of pipe threading machines. In addition to the die-carrying head forming a bearing in the manner shown, it has an inner journal, thereby increasing its wearing surface. A very powerful self-centering vise, which exerts its power from the center of the jaws and not on the side, is used with this machine, and will hold the pipe being threaded with a light pressure of the wheel. The construction of the machine admits of its being adjusted to a post on the side of a building, or on a bench. This is a very desirable and an entirely new feature and one said to be found in no other tool of this kind. Another, and one of the principal features of this No. "O" machine is its two speeds, a change from one to the other being effected by merely removing the crank from one spindle to the other. In one case the operator can cut from ⅛ inch to 1 inch pipe inclusive with great rapidity, then by changing the crank to the other speed, from 1¼ inch to 2 inch inclusive, thus avoiding the necessity of turning a great number of times on small size pipe. To operate the machine the vise is pushed back and the pipe located in the mouth of the dies, then by pressing the feed lever and turning the crank the pipe is fed into the dies. When the pipe is flush with the dies the small lever, shown on under side of die head in the engraving is pressed toward the die which releases the locking device, and by pressing the knob on the opposite side, the dies are thrown open. If the vise with the pipe is then pushed back and the knob pulled out, the dies are reset ready for threading another piece of pipe. The locking device adjusts itself automatically. As this machine uses the regular adjustable dies, it can be furnished with dies for threading pipe from ⅛ inch to 2 inches, either right or left, or with bolt dies for threading from ½ inch to 1½ inch rod inclusive, also with dies for threading brass tubing and conduit pipe. This new Armstrong Pipe Threading Machine was shown at the Gas Exposition recently held in Madison Square Garden, New York City, where it attracted a great deal of attention, and caused much favora-



ble comment. Any further information which our readers may desire will be gladly furnished by the Armstrong Mfg. Co., either at their factory in Bridgeport, Conn., or their New York office, No. 139 Centre Street.

The National Feed Box.

The National Feed Box Co., No. 52 McGraw building Detroit, Mich., are placing upon the market a novel and unique device for feeding horses, of which we show an illustration herewith. The feed box consists of a circular receptacle made of cold rolled steel, with a sloping bottom, as shown in the cut; the box is provided with an inside

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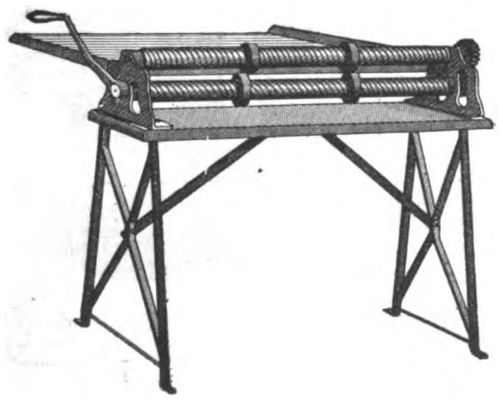
tray or follower, corresponding in shape with the bottom of the box. This follower slides up and down on a strong malleable iron rod; at its center is an opening about four inches in diameter, across which is placed a grating made of steel wire. When grain sufficient for a single feeding has been placed in the box, the follower is placed upon it, and follows the oats to the bottom as the horse slowly withdraws them through the grating in the follower.



Dainty feeders among horses fairly grow fat from the use of this method of feeding. Many spirited horses feed very imperfectly from the old-fashioned appliances, as a great part of the grain is frequently scattered upon the floor, resulting in great and unnecessary waste from this single cause alone. Even in feeding from an open box the loss is frequently as much as 30 to 40 per cent., which could invariably be saved by the use of this unique feeding box. The box after being carefully constructed, is thoroughly galvanized, adding stiffness to the steel, preventing rust, and making it easy to keep clean. The box is supported by a japanned wrought iron holder, and this slides into a wall plate, which can be screwed to the end or corner of the stall. The feed box, though strong, is quite light and portable, and is consequently well adapted for campaigning. All the original features noted in the construction of the National Feed Box are amply covered by patents already granted or applied for, and we think it is destined to supersede in a great measure the use of obsolete methods so long in vogue.

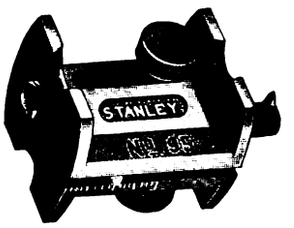
Watrous Rotary Slitting Shears.

Watrous & Co., Troy, N. Y., are the manufacturers of the Capital Rotary Slitting Shears, which we illustrate herewith. This machine is designed to do the work of the large and expensive squaring and slitting shears, for slitting sheet metal for making gutters or any other purpose where long lengths are required; cutting a whole sheet 30 inches wide at once into strips of any desired width. The cutters are adjustable to wear, and by loosening the screw that holds them to the shaft they may be adjusted to any width desired, or so that only one pair is in operation at a time, it not being necessary to remove any of the cutters not in use. This machine is furnished in two sizes, for light and heavy work. The light 30 inch shears will cut No. 24 iron and lighter, is suitable for slitting metal for gutter making purposes, and is the shear usually sent with their gutter former. The heavy shears will cut No. 20 iron and lighter.



Stanley's Improved Butt Gauge.

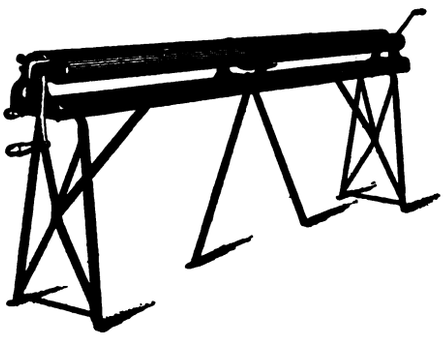
Stanley Rule & Level Co., New Britain, Conn., and No. 29 Chambers Street, New York, have recently added to the many improved carpenters' tools which have long been identified with their name, the "Stanley Improved Butt Gauge," an illustration of which we present in this article. It is, as will be noticed by reference to the engraving, an



entirely metallic butt gauge, having one bar with two steel cutters forming part of its equipment; when the cutter noticeable on the outer edge of the bar is set for gauging on the outer edge of the door, the cutter on the inner end of the bar is already set for gauging from the back of the jamb. The other bar with which the butt gauge is provided has a steel cutter to accurately gauge for the thickness of the butt. The form of this tool makes it extremely convenient for carrying in the pocket, and it is constructed in a compact manner so that the bars cannot fall out of the stock. It is handsomely nickel plated, put up one in a box, with a list price of 75 cents each.

Watrous Capital Gutter Former.

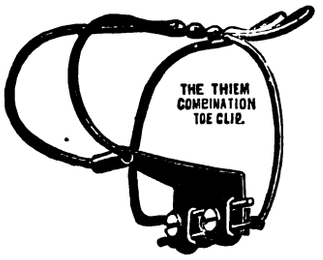
Watrous & Co., Troy, N. Y., the extensive manufacturers of sheet metal working machinery, have recently perfected and placed on the market, the Capital Gutter Former, an illustration of which we give herewith. It is adapted to form either slip or lap joint, or roof gutter. The forming rolls, of which there are four sizes to each machine, are made of steel. A simple adjustment is provided at each end of the machine, so the gutter may be formed up more or less as the iron is soft or hard. The beader rods are interchangeable, being held in position by clips placed at intervals along the forming rolls, and are also secured at one end while the other is left free so that in operation the strip of metal to be formed is entered into the slot in beader rod at its free end, and then moved along into position ready to form the bead. Two socket cranks are then applied to the ends of the beader rod and given one turn, followed by one turn of the forming roll on which the gutter is to be formed, and the operation is complete. The gutter can then be drawn off over the free end of the beader rod without removing the rod, leaving the machine in position ready to receive the next strip. The Capital Gutter Former, as shipped from factory, includes three forming rods, to form Gutter from 3 to 8 inches inclusive, and one size beader rod ½ (or ⅝) inches. Its capacity is stated to be from 600 to 800 feet of perfectly formed gutter per hour, with two men or boys. Prices and terms will be given upon request of the manufacturers.



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The Thiem Combination Toe Clip.

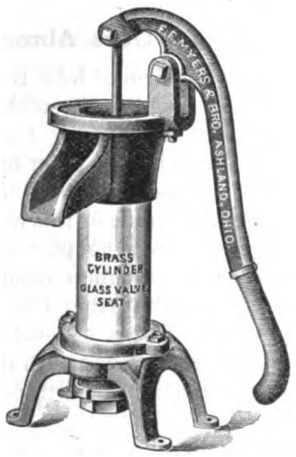
Thiem & Co., St. Paul, Minn., are now prepared to market their newest improved Combination Toe Clip, an illustration of which we give herewith. This Combination Toe Clip is claimed by the manufacturers to combine all the good points usually attributed to those made from sheet steel and wire. The special feature of this toe clip is the arched steel reinforcement at the base, which makes it



next to impossible to bend it down so as to pinch the toe and also affords an easy support to the sole of the shoe. As in its construction it is intended to pull up as well as push down, it is thereby enabled to give double driving or double stopping power. The feet cannot be retained in them in case of a fall. They are made of cold rolled sheet steel, and spring steel rods, and are finished in full nickel plate. They are adjustable to fit any size of shoe, and can be fastened to the pedals with either one, two or three bolts. They are made in two sizes; one, the regular standard size, and the other a special size for ladies and racing men. The retail price being 25 cents a pair, the indications are they will prove fast sellers.

Myers' Brass Body Pitcher Pumps.

F. E. Myers & Bro., Ashland, Ohio, in connection with the extensive line of such useful articles already manufactured by them, have decided to place upon the market a line of brass body pitcher pumps, an illustration of which we give in this column, and which it is intended shall be of superior quality and thorough workmanship in every feature of their construction. They will have seamless



drawn brass cylinders, and be equipped with patent glass valve seat and poppet valve, as well as a revolving top. The base, which is of a neat and novel design, will be attached to the cylinder by means of two heavy bolts. It is intended that the entire makeup shall be of an attractive character, and that the pump will meet a demand for something superior in this especial line.

John Sommer's Son, Nos. 355-365 Central Avenue, Newark. N. J., is now ready to place upon the market his line of Wood Lemon Squeezers, for the season of 1897. A circular, illustrative of these goods has been prepared, showing that his Boss Squeezers are made with lignum vitae, and other hard-wood bowls. He also has a porcelain bowl squeezer with the bowl 2x3½ inches, and explains that so far as they can learn, there is nothing like it on the market, so far as strength is concerned. Circulars descriptive, etc., will be sent on application.

Recent Trade Publications.

We have received the latest catalogue of "Harvest Specialties and Seasonable Miscellaneous Supplies," issued by the Whitman & Barnes Mfg. Co., Cincinnati, Ohio, and No. 111 Chambers Street, New York, who may be counted among the largest manufacturers in this country of steel specialties for the agricultural and Hardware trades, with factories located at Akron, Ohio, West Pullman, Ill., and St. Catharines, Canada. They have in addition established warehouses in New York, Chicago, Kansas City, London, Eng., and Paris, France. Among the large number of useful specialties with which their interesting catalogue is filled, the Hardwareman would find the following of more-than special interest: A large line of haying tool fixtures, feed and ensilage cutters, both hand and power sizes; lawn mowers and grass catchers, wrenches of various designs, embracing 16 varieties, which combine 130 different sizes and styles. They are also extensive manufacturers of twist drills, which are marketed under the name of the "Diamond" and include every possible variety from the straight and taper shank, to the three-lipped, single twist, and self oiling assortment. They are well known as the manufacturers of the "Gibbs rubber cushioned horse-shoe," which improvement is claimed to be the most humane device invented for the benefit of that noble animal.

The Berger Mfg. Co., Canton, Ohio, have issued a handsome little leaflet, in illustration and description of their extensive line of well-known lanterns. A cute design on the outer cover shows a modern Diogenes in his pajamas, looking for the truth, equipped with a Berger lantern, while the back page contains a representation of their extensive works in Canton. They illustrate their tubular lanterns in various sizes and shapes, and their reflector lantern, giving a list of prices. They also illustrate their Crystal Valve Oil Can, and in a word of explanation, say: "The word 'Berger,' when applied to a lantern, signifies the best made. Our customers may rely implicitly upon the excellence of anything we send them, as all our goods are carefully examined and thoroughly tested."

A circular card headed "A Removal of Note," announces that the Troy Nickel Works have taken possession of their new establishment in Albany, N. Y. A picture of the new home is shown on one side of the card. "Alaska Stove Trimmings, Always Cold," is still the watchword of John E. Gaitley and his active force.

No Cycle Shows.

A meeting of the board of directors of the National Board of Trade of Cycle Manufacturers was held in the offices in this city some days since. A number of active and associate members were elected, and the following resolution adopted:

Resolved: That no National or Local Cycle Exhibitions shall be held or sanctioned by this board between June 1, 1897, and June 1, 1898; and that the board of directors recommend that February 22 be designated as a general opening day throughout the country.

It was shown that, because of the smaller charges for space at the national shows this year than were made last year, there was a saving to the exhibitors of over $75,000.

The Berlin Iron Bridge Co., East Berlin, Conn., are erecting a new roof for the power station of the Scranton Illuminating, Heat & Power Co., Scranton, Pa. The building is 42 feet wide and 195 feet long, divided into two portions: a boiler room and an engine room. The framework of the roof constructing is of steel, and absolutely fireproof. It has been the aim of the Scranton Co. to erect a substantial and fireproof building, to replace the one which they recently lost by fire.

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Narrow Escape of Morgan & Wright's Factory.

In a fire which destroyed in Chicago over $100,000 worth of property, Morgan & Wright's large tire factory at May Street and Carroll Avenue, on May 27th, had a very narrow escape from destruction. Tongues of fire had leaped the narrow alley on one side, and poured into the Morgan & Wright factory, where hundreds of men were at work; for a moment an incipient panic seized the men, but some one more level-headed than the rest, shouted "Close the iron shutters." The men hesitated for a moment, when the foreman called for volunteers at every window. There was a rush into the smoke and heat, and the fifty windows were manned by workmen reaching for the hot shutters. Some of the men were scorched and all were choked by the smoke, but the shutters swung to with fierce clangs and shut out of sight the raging furnace scarce ten feet distant. Meantime impromptu companies of fire fighters were using hand extinguishers on each of the eight floors, and twenty men were deluging the roof with streams from the standpipes of the building. It is believed that this promptness of action on the part of the men was all that saved the great structure and its contents, for eight fire companies took possession of the factory and moved 40,000 smoking tires away from the hot rear walls, and trailed thousands of feet of hose through the building and up to the roof, from which point of vantage several streams of water were directed upon the roof of the burning building.

In prompt recognition of the faithful labor performed on this occasion by the fire department, Morgan & Wright sent Chief Swenie a check for $500 to be applied to the firemens' pension fund; accompanying the check was a letter in which the firm expressed their thanks for the heroic work done by the fire department at this critical time.

Wai ing for a Tariff Settlement.

C. E. Adams of the Cleveland Hardware Co. is hopeful of an improvement in business. He is satisfied that the settlement of the tariff question will see a decided betterment of business. At present the company is running on full time in its shops, but not with the full quota of men. Competition in order to keep the shops in operation is so close that the products of this company as well as many others are lower than is consistent with the operation of the plant on a paying basis. Before a slight revival in business was felt the shops were run simply to keep up the small orders and be in readiness for the awakening of business, which followed, as was expected.—*New York Herald.*

Death of John Houston, Sr.

John Houston, Sr., of the Burr & Houston Co., iron founders, Brooklyn, N. Y., died at his residence No. 576 Marcy Avenue in that city, on June 1st, from paralysis. Mr. Houston was first stricken about five years ago, while at his place of business, and in the hope that he might the more readily regain his health, the family had since moved South, but were unable to check the disease which finally resulted in his death. During the war Mr. Houston was connected with the Quartermaster's Department of the Union Army at Nashville, Tenn. He was a member of the Throop Avenue Presbyterian Church. A widow and two sons survive him.

H. S. Willett, formerly connected with the old Hardware jobbing house of Burger & Baumgard, has associated himself with the Allerton, Clarke Co., Nos. 97 Chambers and 79 Reade Streets, New York, and will travel in the State of Texas, with the Hardware trade of which he is thoroughly familiar, in the interests of that well known company.

A Distinguished Honor.

During this month about seventy of the prominent capitalists of South and Central America will visit this country, for the purpose of studying our advanced systems and methods of business. An elaborate programme for their entertainment has been arranged in all the large cities which they will visit. Dayton, Ohio, has been selected by the delegates as one of the cities of interest, and they expect to arrive in that city the latter part of this month.

The primary object of their visit to Dayton is for the purpose of inspecting the factories of the National Cash Register Co and studying the methods in vogue in this large plant. Here the cost of production is much less than in other places, labor-saving machinery has reached a high state of perfection, and the relation between the employer and employed is almost ideal. Another reason for this visit to the factories of the National Cash Register Co. is the fact that the well-known systems which they furnish to retail stores is carried out in every detail in their factories themselves.

Minnesota Hardware Association.

Tho election of a permanent secretary, and the preparation of a circular to the trade, were the important duties before the executive committee of the Minnesota Retail Hardware Association when the committee met in St. Paul, some days ago. In attendance were President Charles F. Lander of St. Cloud, Vice-President A. T. Stebbins of Rochester and Committeemen C. F. Stremel of Minneapolis, W. H. Tomlinson of Le Sueur, M. R. O'Neil, of Graceville, James E. O'Brien of Crookston, John Karst of Stillwater and Edward A. Moye of Duluth. J. W. Clark of Minneapolis, and formerly of Benson, was chosen permanent secretary. He will immediately open an office in St. Paul. He will send out to all retail dealers in Hardware throughout the State a circular asking the dealers' co-operation with the aims of the association.

Will Graham Goes Abroad.

William A. Graham of the firm of John H. Graham & Co., New York, accompanied by his wife, took his departure for Europe yesterday on the steamer *City of Paris*, the Queen's Jubilee being the objective point of a two months' vacation, which his steadfast devotion to business has amply merited. The export trade of this well known house has increased so largely during the past year or two, no doubt exists but what he will combine business with pleasure while away, and study still further the markets of the future, for the products of his several factories. His friends all hope the trip will be filled with the good things of every description that make life worth possessing.

If there are any Hardwaremen of New York or vicinity, as there probably are, who attended the famous school, No. 35, of New York City, between 1855 and 1868, they will be pleased to learn that a movement is on foot to give a dinner and reception in honor of President Hunter of the Normal College, who was the principal of that school between the years named. This movement is in charge of Comptroller Fitch, Corporation Counsel Scott and School Inspector Charles Putzel, and the addresses of the parties mentioned should be sent to Mr. Putzel, in the Postal Telegraph Building, No. 253 Broadway, New York. The dinner will be given probably in September or October.

In some of the cities of Europe the cost of putting out a fire is made a charge upon the property of the person for whose benefit the fire department is called out.

HARDWARE costs only One Dollar a year.

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Mr. Foot's Impressions Abroad.

Noticing the genial face of J. D. Foot again among the habitues of the Hardware Club and for the first time since his return from abroad, a representative of *Hardware* begged his indulgence, and asked for a little of his valuable time in order to receive from so observing a traveler, a few of those impressions which his frequent visits to the other side admirably fitted him to obtain.

With his customary complaisance, Mr. Foot said: "Go ahead with your interviewing and if any off-hand comments of mine possess sufficient value to be, as you observe, of interest to the readers of *Hardware*, I shall be glad to make them."

"In your recent visit to England," observed our representative, "what was it more than anything else that claimed your attention?"

Mr. Foot smilingly replied:

"You ask me as to my impressions of English life, covered by what I saw in my late trip to England. I hardly know where to begin, inasmuch as I cannot decide in my own mind which claimed the most of my attention and interested me more deeply, whether it was the home life of the manufacturer which I had an excellent opportunity to participate in; the condition of trade, or the position of the English artisan or laborer."

"Like most of the intelligent observers occupying similar advantages, you doubtless found the home life in England one of ideal comfort?"

"To the average American," said Mr. Foot, "the home life of England is unknown. Certainly the refinements and simplicity of life which are found in the English home are very enjoyable, and any nation would benefit itself could it bring its standard up to that of the home life of the average English merchant or manufacturer. All the refining influences of floriculture are carefully nurtured; the average English child of ten or twelve years of age having a much better knowledge of the flowers, fruits and vegetables of his country than would the average man in the United States, while all manly out-door sports are participated in by all members of the family. With a deep regard for religion, family prayers, both morning and night, are said, with all members of the family present, as also all servants in the employ of the family. While the English table is bountifully supplied, they all study careful economies, and to my surprise are not the beef-eating people we generally suppose them to be; on the contrary, they indulge freely in all kinds of cereals, are great tea drinkers, and also large consumers of sweets of all kinds. With breakfast, dinner and supper practically conforming with our hours, the dinner being at 1 o'clock, in their houses they intersperse it with tea, bread and butter and toast sometimes at 11 in the morning (universally at 4 to 5 in the afternoon), beside just a little to eat or drink before retiring at night, say 10:30 o'clock. At the 7 o'clock cold supper it is no uncommon thing to see from three to five desserts on the table, all of which you are pressed to try separately or collectively. Nothing but the English climate and the out-door life which they cultivate would enable them to stand such a frequent consumption of food."

"In regard to the conditions of business, are they suffering like ourselves with uncertain markets, low prices and labor disturbances generally?"

"As to the condition of business," observed Mr. Foot, "everywhere throughout Great Britain business is on the boom. You hear of it in a very moderate way on the cars, in the stations and hotels, and considering the fact that the Englishman is too good a business man to talk but very little of his business affairs in a way to be heard by outside people, business must be, and is, excessively good to warrant the little he does say. Manufacturers of textile fabrics, shoes and other articles of clothing are running their works well into the night, while all machine shops and rolling mills have more than their full quota of work, and I overheard one Englishman say to another, 'Well, if we cannot make money in these times, we never will.' The laborers are fully occupied, but as is always the case when prosperity is reigning, are very restless, and the fear of strikes is constantly before the public."

"How does the condition of the British workman, or the nature of his environment, compare with that of our own country?"

"My observations would lead me to say," said Mr. Foot, in reply, "that the average English laborer is more contented and happy than is the average American laborer. Their home-life and their pursuits after pleasure are of a character to induce contentment, while their observation of Sunday is, as a rule, dignified and reverential. The workingman, in what are known as the manufacturing cities of England, takes fully as deep an interest in the refinements of home-life as does his employer. I was much interested in the thousands of small gardens existing in the suburbs of these cities, such as Sheffield, Wolverhampton, Nottingham, Leicester, etc., which gardens, I might say, surround the suburbs of the city. Each garden is perhaps 100 feet in length by 25 feet in width; is neatly enclosed with a two-foot fence. After working hours, the English laborer, with his wife and children, will repair to this garden for a few hours' work and pleasure, the husband looking after the vegetables, the wife and children after the flowers, etc. This is made possible by the long twilight which exists in England at this season of the year, extending up to 9:30 P.M. When their evening's recreation is finished, they shut their gate, and go back to town, a distance of one, two or three miles, on the horse-cars, at an expense of two cents, and such is the moral influence of these cities, that without any police protection, not so much as a small flower is ever taken from the thousands of gardens surrounding each of these cities. Could such a state of affairs exist in any city of our country? I am afraid not."

By this time many of his friends appearing to congratulate him upon his safe return, our representative thanking him for the courtesy extended to *Hardware*, brought the interview to an end.

The Iowa Farming Tool Co., Fort Madison, Wis., the large manufacturers of agricultural tools, have just issued in a pamphlet of 20 pages and cover, an exceedingly complete telegraphic code designed to be used in connection with their "Export Catalogue D," in order that their customers abroad, who are becoming more and more numerous with each recurring season, may be able to "cable" their urgent wants at a minimum cost. It is certainly extremely comprehensive as well as brief and concise; it will doubtless be fully appreciated by their foreign purchasers and tend to increase the utility of their important export department to the fullest extent.

John V. O. Miller, who for a number of years was associated with the firm of John H. Graham & Co., and later for a long time with the Livingston Horse Nail Co., has taken a new departure, and will in the future represent the firm of Surpless, Dunn & Co., No. 55 Warren Street, this city, throughout the State of New York. Mr. Miller's many friends wish him every success in his new territory, feeling confident that with the many desirable lines of goods controlled by this representative commission house, the future will be a pleasant and successful one for "our John."

To the horse, it is a long lane that hasn't a good foundation.—*L. A. W. Bulletin.*

HARDWARE is printed for men now on earth.

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Review of the Markets.

Hardware: Unimportant changes, if any, characterize the pulseless markets of the present. The season's traffic is fast reaching that natural ebb, when the future will provide problems to solve, and the present prove only a memory of "what might have been."

Wire Nails: A number of scarehead articles in some of of our contemporaries has made a slight ripple in the buying of these necessary adjuncts to a regular stock. The fears of any material change in quotations have subsided, however, until the tariff bill is settled. Orders for future delivery have been booked at current prices, which certainly are low enough to keep the trade in a normal condition. We continue previous quotations of carload lots at mill, f. o. b., $1.35@$1.40. New York prices for smaller lots from store, $1.65.

Cut Nails: The demand for Cut Nails has been continued in fairly good shape and at reasonable prices, the movement to advance the quotations on Wire Nails not having seriously affected the Cut Nail market. There has been a sustained enquiry, but no very large transactions. We quote: Carload lots, delivered, New York, $1.40; Philadelphia, $1.38; Boston, $1.42. Smaller lots from store are held at 10 cents a keg advance. In the presence of a good-sized specification the above carload price could possibly be shaded a little.

Horse Nails: As will be noticed in our Prices Current, the ruling quotation on Putnam Horse Nails has been changed to 25 per cent., in place of the 15 per cent. so long prevailing. This is the result of a change of policy affecting their distribution, to which the attention of our readers is called in another column in this issue.

Linseed Oil: The Dean Linseed Oil Co. quote as follows: In lots of less than 5 barrels, 31 cents per gallon; in lots of 5 barrels or more, 30 cents per gallon; Boiled Linseed Oil, 2 cents per gallon higher; Calcutta Oil, 50 cents per gallon.

THE PITTSBURG TRADE.

There is a very fair volume of business doing for this time in the season, and although the extreme low prices keep the total in dollars below last year's figures, yet the tonnage must be nearly up to 1896 shipments.

The news of the failure of the wire pool makers to get together will probably cause a slight reaction in the demand for wire and nails, but the stimulus imparted by the expected combine was not very great.

We notice quite a cheerful tone of slight improvement in trade, and sincerely trust the corner has been turned and that we shall have a steady increase for the rest of the vear. Some strikes have occurred among iron workers lately, which may spread to larger proportions, though many accept cuts in wages rather than risk idleness. Narrow margins for business of all kinds is the rule now, and a slight stiffening of values would be gladly welcomed by all.

LOGAN-GREGG HARDWARE CO.

THE COLUMBUS TRADE.

Trade has not been quite so good for the past ten days, and we could not expect it, with the unfavorable weather we have been having. It has rained nearly every day, and cold enough for neavy overcoats and furs. A good part of the corn that was planted early will have to be replanted, as the ground has been too cold for it to sprout. Grass looks well, also the wheat, except where the ground was not well drained. In some places it is about the color of a duck's foot.

Prices on some goods are higher. There was quite a flurry in the wire and nail market, after the announcement was made that the rod pool was likely to come to life again. Both nails and wire are about ten per cent. higher. The extreme price on screws has also been withdrawn by some manufacturers, and we think it would be hard to get as low a price as could have been secured a week ago. Lawn mowers and scythes and snaths have been in good demand, while the demand for screen goods has dropped off. A fly would freeze stiff before he could buzz twice, but they will see the bald-headed fraternity later on, and tickle you, and then laugh at your effort to "swat" them a mighty "swat."

I forgot to say in my last letter that Columbus has a Hardware association. It is the Wholesale and Retail Hardware Dealers' Association, and has about all the Hardware dealers of the city as members, and we hope the few who have not yet become members, will soon do so. The officers are: E. L. Harris, of J. S. Abbott & Co., president; J. H. Smith (your humble servant), vice-president; Dwight Burr, of the Kilbourne-Jones Co., secretary; Darius Tallmadge, of the Tallmadge Hardware Co., treasurer. There was some talk of fixing a heavy bond for the treasurer, but the members decided that they could keep an eye on Mr. Tallmadge, so he was not required to give bond. I think it is a little risky, as there may be $2.25 in the treasury occasionally, and Hardwaremen all know that it is not every day that you can drop on to $2.25. We have had two meetings and got acquainted with each other, and decided that we are a pretty good lot of fellows. We then opened a few bottles—excuse me, I mean a few kegs of nails (Hardwaremen know that nails are not put up in bottles). We found they all had heads on them (I mean the nails). We then went home. I am only speaking for myself on this point. I am sure they all went home some time in the night, however, and slept the sleep of the just, just the way all Hardwaremen sleep. He may have nightmare sometimes, and dream that a pile of barb wire is tumbling down on him, or that yellow ochre puffed up and made a yellow kid out of him, or that he fell off a step-ladder and "lit" on some pitchforks, or a cask of strap hinges rolled over him, and then he fell down the elevator shaft, and wakened up, his hair stood on end. I refer to those who have hair (I want it distinctly understood that I am not the fellow who had the dream, as my hair can't stand up). The party still lives and is happy. May we all ever be that way.

SMITH BROS. HARDWARE CO.

THE PHILADELPHIA TRADE.

The latest excitement in the Hardware business has been the wire rod and wire nail situation.

The air has been full of conflicting rumors which gradually took more and more definite shape, until finally it seemed as if a revival of the old combination was assured. Later reports say that so far it has failed to materialize, but there is no telling what the future may bring forth.

It is but reasonable, however, to assume that the nail men are thoroughly sick of selling nails at no profit, and how long they will continue doing so is a question which may be answered any moment. Of course, if the wire rod combination should be successful, all goods made of wire would be more or less affected—some of them, in all probability, very decidedly.

In other lines the market is dragging along, apparently on the bottom. Prices are low—lower than ever in the past—while purchases of both jobber and dealer are moderate in volume. During the last few days an improvement in this respect has been noticed by some of the larger manufacturers, who report that business has increased considerably and augers well for the future.

It is a noticeable fact that at the low prices now prevailing on certain staples, some manufacturers, who have been represented on the market for years, have now withdrawn and are refusing to meet current prices, and among these withdrawals are the names of some of the largest manufacturers in the country. This is a pretty sure indication that prices have reached the bottom, and while a fight is only limited by the depth of the manufacturer's purse, still

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it has a limit, and when recovery occurs it must go beyond figures which are now recognized as barely cost.

BIDDLE HARDWARE CO.

THE TOLEDO TRADE.

Almost one half of the year 1897 has already gone by, and still the great ship of prosperity has not yet arrived. Probably the financial storms and distrust have delayed its arrival, but we are all of good cheer that the ship will come in loaded down to the brim with those prosperous times that we are so earnestly wishing for.

Trade for the first five months of this year has been fair; while the sales do not foot up quite as much as the year 1896 for the same time, still owing to the tremendous declines that have been taking place on staple goods, we think that the volume of business has been greater; that is in bulk. Profits have been very much cut down, and we are surprised that so many staple goods still remain at such low figures.

Goods that are mostly in demand at the present time are screen doors, screen windows, wire netting, paints, oils, varnishes, ice cream freezers, steel goods and tin plate. There is quite a little demand for builders' Hardware.

Toledo, in general, is fairly prosperous. Most of our establishments are running full time, even if they are not using their full quota of help.

Another thing that we notice in the business this spring, was that very few retail dealers bought very many goods ahead, or for future shipment, and only purchased when they needed them, which made the jobber hustle to fill orders for certain staple goods. This is as it ought to be.

Collections have fully 25% better than a year ago. There seems to pervade a conservative spirit amongst the merchants which is as it should be, but "Oh, when will the era of declines cease?" THE STOLLBERG & CLAPP CO.

THE CHICAGO TRADE.

An improvement in the number and size of orders; improvement in collections and increased confidence in business, characterize the trade situation with us for the past two weeks.

A number of manufacturers have lately withdrawn their prices on screws, nails, wire and kindred lines, and a stiffening of quotations, when made, has combined to cause a tendency to make goods in all lines sell quite readily to the retail trade.

The weather has also become bright and warmer, causing a strong demand for seasonable goods, and we are enjoying a fine business at the present time which we confidently expect to continue throughout the month.

WELLS & NELLEGAR CO.

THE DENVER TRADE.

Summer weather is very tardy in Colorado this season, and season trade is correspondingly backward. The month of May, however, has closed with a fairly good showing in volume of business, but decidedly unsatisfactory margins. The trade of the retailer does not seem to be up to par, making him cautious in his specifications, and the jobber, in order to secure the business which he thinks he ought to have, is ready with cut prices to induce sales which he apparently thinks some other house is getting away from him.

The outlook in Colorado for crops of all kinds was never more promising. The fruit yield will be enormous, and unusual rains will supply the lack in some communities where water for irrigation is often insufficient, and will also insure good returns from lands dependent upon rainfall alone.

Mining is being pushed and more men employed than ever before. The result of all this must be felt in due time and cannot be otherwise than a great improvement of trade generally. GEORGE TRITCH HARDWARE CO.

THE DAVENPORT TRADE.

T. James Fernley, secretary of the National Hardware Association, will honor us with a visit on the 28th inst. The president of the Iowa Hardware Jobbers' Association has invited all of its members to lunch with him on that date to meet Mr. Fernley.

The prospect of some sort of a wire rod pool has stimulated trade in wire, wire nails and many other articles made from wire. Screws advanced a point in sympathy with wire. The possible advance and threatened scarcity of screen wire has caused a large demand and it may be that we will have to resort to fly-traps and fly-paper before the season passes.

Business is slowly but surely improving. If the people will give more attention to business and less to politics, they will make more money and enjoy life better.

SICKELS, PRESTON & NUTTING CO.

THE ST. PAUL TRADE.

We are glad to report that as far as there is any change in the Hardware trade in the Northwest, it is for the better. Up to the present time, prospects for the coming crop could not be improved. Farmers are looking forward hopefully to this result, and consequently are buying more freely than they would do if the conditions were different. While the retailer is going slow, the increased demand for goods obliges him to buy often, and a daily order from the same customer is not an uncommon thing.

In the city, there is not much new building, but the amount of repairing and furbishing up was never greater. This is an evidence of returning prosperity. In short, all things point to improved conditions, and while the movement is slow, we believe it is sure. Collections are very good. C. W. HACKETT HDWE. CO.

The "Climax" Line.

Taplin, Rice & Co., Akron, Ohio, whose extremely modern line of stoves and ranges has achieved deserved popularity, are this season placing before the trade their "Climax" line of ranges, heaters, etc., possessing a greater number of improvements in their construction than has previously been possible. This line includes the "1897 Pattern" of the "Climax Cast Iron Range," provided with a patent flush reservoir; the "Buckeye Climax," which is a new four-hole cook stove; the "Climax Junior," a four-hole cast iron range with balanced drop oven door; the "Air Tight Climax" for soft coal, which is a handsome parlor heater; and the "Gem Climax" range for coal or wood, claimed to be unexcelled by any range in its class, either in style or price. This season they place upon the market an entirely new line of "Modern Climax" steel ranges, in both portable and flush reservoir styles, which possess many superior points of merit that should command the attention of the trade.

The smallest screws ever made are used in the manufacture of miniature watches which are sometimes fitted in rings, shirt studs, bracelets, etc. They are the next thing to invisible to the naked eye, looking like minute grains of sand. With a good glass, however, it may be plainly seen that each is a perfect screw, having a number of threads equal to 1260 to the inch. These tiny screws are 4-1000ths of an inch in length. It is estimated that a lady's thimble of average size would hold 10,000 of them. No attempt is ever made to count these "tiny triumphs of mechanical ingenuity," other than to get a basis for estimation. The method usually pursued in determining their number is to carefully count a hundred, and then place them on a delicate balance, the number of a given amount being determined by the weight of these.—*St. Louis Republic.*

The man of the smallest calibre bores you the easiest.—*L. A. W. Bulletin.*

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Decades of Invention.

The following is quoted from a paper by Beta in the *Inventive Age:* "The decade (1866–1876) marks the beginning of the most remarkable period of activity and development in the history of the world. The perfection of the dynamo, and its twin brother the electric motor, by Wilde, Siemens, Wheatstone, Varley, Farmer, Gramme, Brush, Weston, Edison, Thompson and others, soon brought the great development of the electric light and electric railways. Then appeared the Bessemer process of making steel, dynamite, the St. Louis bridge, Westinghouse air brake and the middlings purifying and roller process in milling. That great chemist, and probably greatest benefactor, Louis Pasteur, added his work to this period; the Gatling gun appeared; great developments were made in ice machines and cold storage equipments; machines for making barbed wire fences; compressed air rock drills and the Mont Cenis tunnel; pressed glassware; Stearns duplex telegraph, and Edison's quadruplex; the cable car system of Hallidie, and the Janney car coupler; the self-binding reaper and harvester; the tempering of steel wire and springs by electricity; the Lowe process for making water gas; cash carriers for stores, and machines for making tin cans.

"With the next decade (1876–1886) there arose a star of the first magnitude in the constellation of inventions. The railway and telegraph had already made all people near neighbors, but it remained for the Bell telephone to establish the close kinship of one great talkative family, in constant intercourse, the tiny wire, sentient and responsive to the familiar voice, transmitting the message with tone and accent unchanged by the thousands of miles of distance between. Then come in order the hydraulic dredges, and Mississippi jetties of Eads; the Jablochkoff electric candle; photography by electric light; the cigarette machine; the Otto gas engine; the great improvement and development of the type writer; the casting of chilled car wheels; the Birkenhead and Rabbeth spinning spindles, and enameled sheet ironware for the kitchen. Next the phonograph of Edison appears, literally speaking for itself, and reproducing human speech and all sounds with startling fidelity. In this decade we also find the first electric railway operated in Berlin; the development of the storage battery; welding metals by electricity; passenger elevators; the construction of the Brooklyn bridge; the synthetic production of many useful medicines, dyes and antiseptics from coal tar products, and the Cowles process for manufacturing aluminum.

"In the last decade (1886–1896) inventions in such great numbers and yet of such importance have appeared that selection seems impossible without doing injustice to the others. The graphophone; the Pullman and Wagner railway cars and vestibuled trains; the Harvey process of annealing armor plates; artificial silk from pyroxyline; automobile or horseless carriages; the Zalinski dynamite gun; the Mergenthaler linotype machine, moulding and setting its own type, a whole line at a time, and doing the work of four compositors; the Welsbach gas burner; the Krag-Jorgensen rifle; Prof. Langley's aerodrome; the manufacture of acetylene gas from calcium carbide; the discovery of argon; the application of the cathode rays in photography by Roentgen; Edison's fluoroscope for seeing with the cathode rays; Tesla's discoveries in electricity, and the kinetoscope, are some of the modern inventions which still interest and engage the attention of the world, while the great development in photography and of the Web perfecting printing press, the type-writer, the modern bicycle, and the cash register is beyond enumeration or adequate comment."

He Knew the Author.

Satire's my weapon, but I'm too discreet
To run amuck and tilt at all I meet

Sang the first baseman as the umpire fined him ten for talking back.

"Who wrote that?" admiringly inquired the second baseman.

"Pope."

"I know that party. He makes bicycles."—*American Wheelman.*

She—"Have you got your bicycle yet?"

He—"Oh, yes."

She—"I don't see you on the road as much this season as I did last."

He—"No, I'm on my wheel more now. I ride better, you know."—*Yonkers Statesman.*

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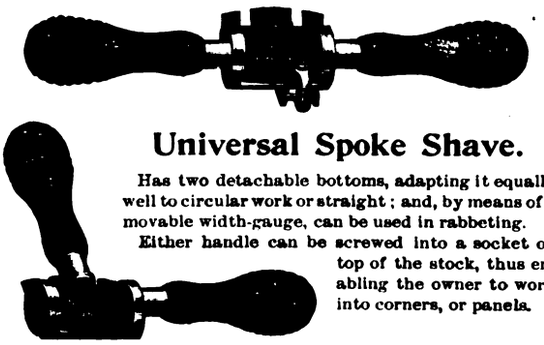
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No. 67. Spoke Shave, for curved or straight work, $1.50

To Protect Secrets of Trade.

In a recent case in the Appellate division of the Supreme Court in the fourth department it was stated to be the law that where the owner of a process or invention for manufacturing goods has kept the process or invention secret from all persons except confidential employees, the court will aid him to restrain those who have been his former employees from exposing or using in a rival establishment the knowledge which they had acquired while acting as such confidential employees.

The rule has been before laid down that a right which is valuable because of secrecy is to be protected by the law from any impairment through abuse of trust placed in confidential servants. The law raises in such cases an implied contract that a person who holds a confidential relation to his employer will not divulge any trade secrets imparted to him or discovered by him during such employment.

While the court is careful to foster and encourage open and legitimate competition, it is against good morals and a breach of trust, which the law will restrain and prevent, for an employee to take an improper advantage of the knowledge he has acquired by reason of the confidential relation.

The decision commends itself as enforcing principles of justice and common fairness in the dealings of business men.—*San Francisco Chronicle.*

The pneumatic-tired safety can get along without improved roads better than the teamster can.—*L. A. W. Bulletin.*

Wheel Slang.

The wheel is a more prolific source of slang than most modern inventions. The *Cycling Gazette* of Cleveland has been collecting specimens of the liberties taken by cyclists with the English language, and prints the following: In many Western towns a lady rider is called a "bloomer" whether she wears them or not. The word "scorcher," as indicating a speedy cyclist, is tangled with our language beyond extrication. In Chicago, however, the speedy rider is called a "scoot." Where slangy people used to say "You made a miscue," or "You slipped your trolley," they now say "Your tire is punctured," meaning that you have come to grief. Wild talk is called "coasting." An old story is not a "chestnut," but a "century." A young couple evidently attached to one another are said to be "riding tandem." A man leading a fast life is "geared too high." An elderly cyclist is called "a high wheel," an allusion to the primitive bicycle. A chaperon is known as a "pacemaker." There are many other slang phrases, but the above are the best of the list printed by the paper mentioned.—*New York Recorder.*

Skates that are locked on the feet by pressing the heel of the shoe into the heel-plate of the skate have recently been patented.—*Industrial World.*

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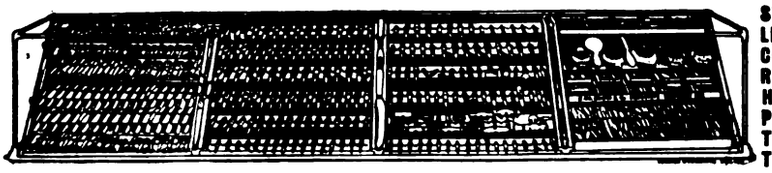
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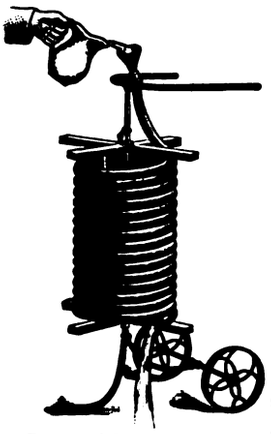
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The Hartzell Novelty Works, (Sole owners and man'f'rs) ALLIANCE, OHIO.

Hardware Names.

So accustomed does the ironmonger, long in the business, become to the name of his wares, that he is not much given to speculation upon their derivation. If the question should arise in his mind, it is dismissed with the reason that it was so named when made, possibly hundreds of years ago—just as he was named John when he was born. This does not satisfy the younger aspirants for Hardware lore. "If," they say, "you were named John—why John?" To satisfy this demand the following "Whys" have been collected:

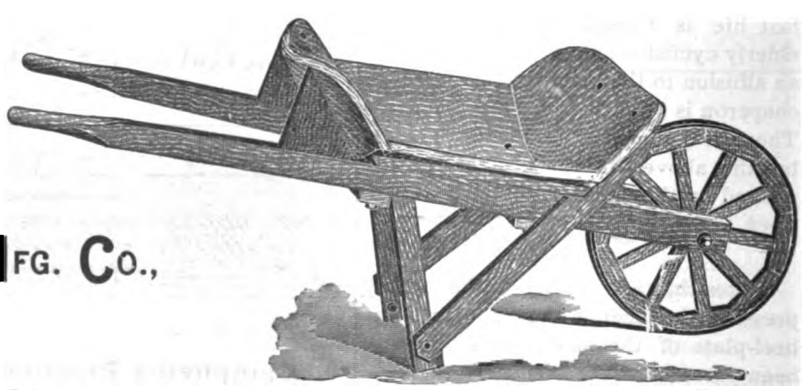
A knife was a knife in colonial times. The Pilgrim Fathers had knives. In England knives were known as far back as Chaucer's time, as the Sheffield Whittle testifies. For the name, however, we must cross the English Channel to France. In the thirteenth century knives were known as "mensaculæ" and "artari," a little later by the word "kenivet." From which is evidently derived "canif," or knife. In this connection it may be said that two-prong forks are mentioned for the first time in an inventory of Charles V. in 1379. The table upon which food was placed was surrounded with benches or bances, whence "banquet." To know why a two-faced rim lock is called a "Janus" faced lock, we must go from the realism of the twentieth century to the ideal symbolism of ancient Greece. There, in a temple whose doors were never closed during war, Janus, the god with two faces, was enshrined. In the ironmonger's shop "Janus" becomes a fitting name, indicating in the lock that it is the same on both sides, and in the shop the alertness necessary to success in these days of commercial warfare. In the sixteenth century pistoles and pistolets were so called, it is said, because they were invented at "Pistola." But on this subject etymologists differ, some preferring the suggestion that they were called pistols from the fact that the bore was of equal diameter with the "pistola," a coin of the time. In the names anvil, stirrup and hammer we find a very curious thing—that the position is reversed, and that these articles give their names to what was made long before their use was known. The three pretty little bones of the inner ear are called "hammer, anvil and stirrup."—*Ironmongery.*

An Ancient Nail.

It is stated by one of our English contemporaries that while lately sawing a beam taken from the roof of Winchester Cathedral a nail about 2¼ inches long was discovered in the middle of the piece at about 9 inches from the surface. The only conclusion to be drawn from a nail in that position is that it was driven into the young oak, and that before the tree was cut down wood had grown around the nail, that process probably occupying a couple of centuries. It is assumed that the beam was introduced in the course of the preparation of Winchester Cathedral, which was undertaken by Bishop Walkelyn and carried out between 1079 and 1093, but it should be remembered that some of his successors had works executed up to the end of the fourteenth century, when William of Wykeham commenced its restoration. It is thought that in any event the nail must have remained concealed for nearly 1000 years.—*Michigan Tradesman.*

"SCIOTO" for R. R. or Canal Work.

A thoroughly first class bolted barrow. Full sized Tray. Well planed, cleated, braced and bolted. Legs and cross pieces gained. Knocks down for shipping and is easily set up.

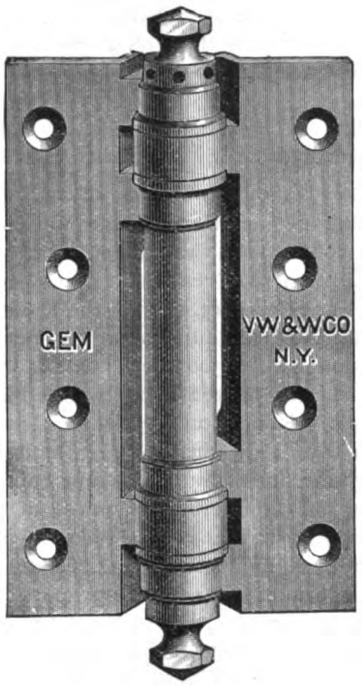


THE KILBOURNE & JACOBS MFG. CO.,

COLUMBUS, OHIO.

Producers of BARROWS, SCRAPERS, ROAD MAKING MACHINERY, STEEL SHAPES, Etc., Etc.

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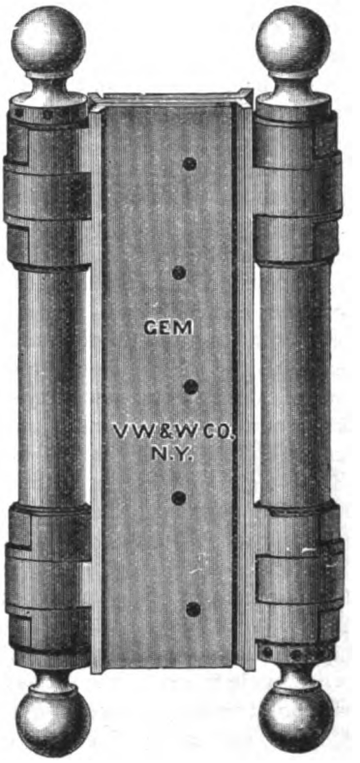
NO PRIZE PACKAGE

SCHEME NECESSARY TO SELL

GEM SPRING HINGES.

The demand is already created, and when you buy **GEM** you know what you are getting, and that they **SELL.** They have stood the test against all competition and with **increasing sales each year.**

Order and **INSIST** on getting



GEM SPRING HINGES

Made in all Finishes.

Van Wagoner & Williams Hdw. Co.,

Cleveland, Ohio, and 14 Warren St., New York.

Situation Wanted.

WANTED—Young man, business correspondent and office manager of fifteen years' practice would accept position with manufacturing company or jobbing house. Or would manage branch office or travel in the far West and Pacific Coast. Address BUSINESS, Drawer No. 79 Milledgeville, Penn.

He Met With a Lively Reception.

"I was in a commercial room a few evenings ago when a discussion was in progress as to the relative merits of England and some of the Continental countries. A young Turk who had been educated in England and who represented an English firm on the Continent spoke up. Turkey, he said, was a fine country; there were some fine orders to be booked at Constantinople. A sage, grizzled, old fellow, who has had a long career on the road, looked dubiously at the speaker. His aspect seemed to irritate the Turk not a little, and finally the speaker demanded what he thought of the opinions he had been expressing. 'It's rather a violent country, is Turkey,' was the reply. 'Violent; indeed it is not,' retorted the native of the traduced Empire. 'In what way were you violently treated?' 'Well,' was the deliberate reply, 'I lost my samples and had bricks and chimney-pots thrown at me in the very first shop into which I stepped.' The Turk foamed with rage. 'You are a liar,' he shouted. 'Every English traveler is treated with courtesy there; no Turkish tradesman would dare to do such a thing.' 'I did not say a word against any tradesman, either native or foreign,' returned the traveler calmly, blowing at his pipe. 'You said the men in the shop pelted you with bricks and chimney-pots,' roared the unserene Turk. 'I did not,' retorted the irritating Englishman. 'I referred to what an earthquake did.'"—*Exchange.*

To Bicycle Riders.

WE MAKE OUR TUBE OF FIFTY CARBON STEEL

Because a Tube like this of our .50% CARBON STEEL Is just as strong as a Tube like this of .25% CARBON STEEL

While weight for weight in a Bicycle our FIFTY CARBON Steel will last so long [redacted] and TWENTY-FIVE CARBON Steel will last only so long [redacted]

NOTE THE FULL IMPORT OF THE PARALLEL LINES.

The comparison which they graphically make indicates the result of the prolonged investigations of the most practical experts of the world.

That the tests in our own laboratory coroborate these results is merely so much to its credit; that the same is true of actual trial on the road equally proves the trial to have been made in bicycles of correct design and construction. THE FACT REMAINS.

The margin of safety is greatly increased by the use of this tube. Every bicycle manufacturer should use it; every dealer should insist on having it; every rider should demand it. Send for catalogue.

THE POPE TUBE CO., Hartford, Conn.

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The Tack Manufacture.

Worcester (Mass.) is fast becoming one of the principal tack manufacturing centres in the country, although it is only twelve years since the first plant of this nature was established here. The use of tacks in the manufacture of boots and shoes has greatly extended the tack business, and particularly since the introduction of the shoe lasting machine. The city of Taunton and towns in the Old Colony have been for years, and still are, the great tack manufacturing centres of this country, but the principal plants in the Old Colony have been in existence for generations. Worcester has, in the plant of P. E. Somers on Hermon Street, the largest one in the State outside of Taunton, and its neighboring towns.

A tack usually differs from a nail in that it has a sharp point, while the point of a nail is blunt, or at least this is true as regards cut nails as distinguished from wire nails. While tacks are, as a rule, smaller than nails, they can be larger and still remain tacks, because of their sharp point. Tacks and cut nails are made, except for the finishing process, on a single machine, and the size of a tack factory is designated by the number of machines it contains. The factory of Mr. Somers has forty-eight machines, and the weekly product is seven tons of tacks, all for the shoe trade. Tacks for lasting machines are made on thirty-six out of the forty-eight machines. Almost every size of tack is made by Mr. Somers. Sometimes he is called upon to fill an order for a one-quarter ounce tack, which is three thirty-seconds of an inch long, and it requires 4000 of them to make one ounce in weight. A one-ounce tack, so-called because it takes one thousand of them to make an ounce, is only ten thirty-seconds of an inch long. One-half ounce tacks are made in great quantities for lasting machines. It takes 2000 of these to make an ounce. The great bulk of shoe tacks are made of steel, yet brass tacks are made to a considerable extent. Channel and corrugated cobblers' nails also make quite a large item for the factory's product.

The material for steel tacks comes in sheets thirty-six inches long by eighteen inches in width. It is first treated to a chemical bath to remove all scales and rust. It is then cut into strips of a desired width by a powerful cutting machine. The strips are then taken to the tack-making machine proper, and fed into the machine, one after the other. Each strip is placed in a tube by the machine operator, after which the further feeding of the strip and the cutting of the tack is automatic. The cutting of the tack is diagonally across the strip, and as each tack is clipped off an automatic attachment turns the strip over and thus it works over and back on the instant, all the while moving into the machine. As a point is clipped off, it is held in a vise-like attachment, while a hammer, called the header, puts a flat or round head upon it. When it is desired to make a tack with corrugated sides, a pair of dies are set in the machines, which make the corrugations automatically and form a part of the work of making a tack in a single operation. As the tacks are cut and headed they fall into a box, from whence they are taken to a sifting or sorting machine. This machine is in effect a revolving sieve placed on an incline. All defective tacks, like those too short or having a one-sided head, fall through the perforations, while the perfect ones slide out of the sieve into a box. All tacks designed for lasting machine use, however, are first taken to a rattling or polishing machine that they may be made smooth and clean. They are then run through the sorting machine, and to further make sure that every tack is a perfect one they are looked over by an examiner, who, by practice, has become exceedingly expert at the work. The slightest defect in a tack will stop the working of a lasting machine. The merest splinter on the side of a tack or the slightest scratch on the head will do this, but so expert are these tack examiners that rarely does a defective tack escape notice. Very few tacks are shipped in bulk, but are put up in paper boxes, and these are in turn put in wooden boxes, each made to contain 100 pounds. Every paper of tacks is weighed, and when closed a label giving the size and style is attached.—*Worcester (Mass.) Gazette.*

Early Uses of Structural Steel in Great Britain.

It is probable that many look upon the use of structural iron and steel for building as comparatively a new thing in Great Britain. On the contrary, in this as in many other branches of engineering practice, Great Britain has been a pioneer. Rennie, as far back as 1813, roofed the sheds attached to the East and West India docks on the Thames with cast iron for a distance of 1,300 feet. One of these sheds as then constructed, was 54 feet clear between supports. In his well-known "Report on the Use of Iron in Building," published in 1844, Fairbairn stated that it was then more than thirty years since iron beams and columns had been introduced into this country as a source of protection against fire. Fairbairn in that report recommended the use of iron doors, frames, shutters and staircases, and he gave a lot of useful information as to the properties of iron for building. The well-known mills of Sir Titus Salt, at Saltaire, were one of the earliest examples of the application of iron on a large scale to buildings.—*Ryland's Iron Trade Circular.*

Insuring Clerks' Honesty.

A Cleveland newspaper mentions a novel scheme adopted by a Hardware merchant of that city to insure himself against loss by the dishonesty of employes. When a new man comes into his employ he is called to the office, where there is a private interview. The employer promptly comes to the question, and asks the man if he thinks that he is honest. The replies naturally vary in frankness, but that is immaterial.

"Well," replies the merchant, "if ever you have an inclination to steal, just come to me, and I will give you the amount you thought of taking. Have no hesitancy, but come right up and I will gladly give it. We will thus save your character and I'll save a clerk."

In all his experience only one man has come to him for this purpose, and he was in desperate straits. As for money being stolen—never.—*Hardware & Metal.*

The Traveling Man.

Nobody knows what traveling men eat,
Nobody knows where traveling men sleep,
Nobody knows the dangers they meet,
Or how they must hustle positions to keep.

He works thro' the day and travels at night,
And his "boss" thinks, of course, that's perfectly right.
He rides on the "special"—most always she's late—
But oftener takes the slow local freight.

He flits thro' the land, welcomed by all,
Occasionally using unlimited gall,
While his firm sits at home, counting away
The cost of his trip and average per day.

He's the soul of good cheer, and knows how to tell
The latest jokes out—and does it quite well.
He avoids all hotels and towns that are "bum,"
But where he does go, you'll always find fun.

He doesn't play cards, but will gladly help out
If you need a fourth hand, should he happen about.
But the world moves along, and the traveling man, too,
Making sunshine for some and wealth for a few.

Then honor his calling, wish him long life,
Continued success and a good little wife.
Let's help him along and do what we can
For the friend of the trade—the traveling man.

—*Hardware Trade Journal.*

Truth is a file. Hard metal is brightened by it though the operation be disagreeable.—*L. A. W. Bulletin.*

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Joseph Jefferson.

The Famous Actor Looked About Our Factory and Said:

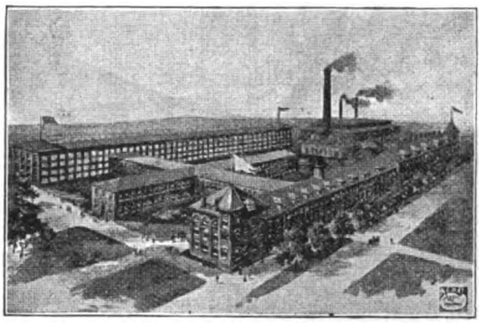
"This is the greatest institution I ever saw in my life. You have combined here utility and philanthropy. You make money, and you make happiness at the same time. To conduct a great business, which stretches out all over the world, and to practice, at the same time, the practical gospel of good will to men is about as far as any one can go until we get wings.



MR. JOSEPH JEFFERSON.

"The system which you sell to retail merchants reaches its highest perfection in your own plant.

"Panics do not hurt people who run their business as you do. The atmosphere of your establishment stimulates industry and good feeling. When hard times come and it is difficult to make sales, people like yours simply work enough harder to make up for it. I should like to take a little part in the work you are doing," concluded Mr. Jefferson, "and when I come to Dayton again I should be glad to give your people a free lecture."



Factory of The National Cash Register Company.

Big Facts.

Why The National Cash Register Company Can Manufacture and Sell Cheaper Than Any Other.

It employs 1,400 people.

Its factories cover eight and one-half acres of floor space.

It makes nothing but cash and autographic registers.

Its rights are protected by 335 patents.

It has 131 offices in all parts of the world.

It makes 90 different styles and kinds of cash registers.

It has sold over 117,000 cash registers.

Its registers are used all over the world.

It received 2,046 orders for registers in April, 1897.

It inspected 1,902 registers in April, 1897.

It shipped 1,886 registers in April, 1897.

It is doing more business in 1897 than ever before in its history.

25 in 25 Stores.

He Wouldn't Try to Do Business Without One.

Mr. T. P. Hunter owns twenty-five retail grocery stores in Philadelphia, and uses a National Cash Register in each of them.

In a recent letter to us he says:

"About three years ago my attention was called to your No. 79 National Cash Register. Becoming interested, I placed an order for one machine. Receiving perfec satisfaction from this, I ordered fifteen more, and subsequently ordered nine additional, making twenty-five, the number I now have in use in my stores.



MR. THOS. P. HUNTER.

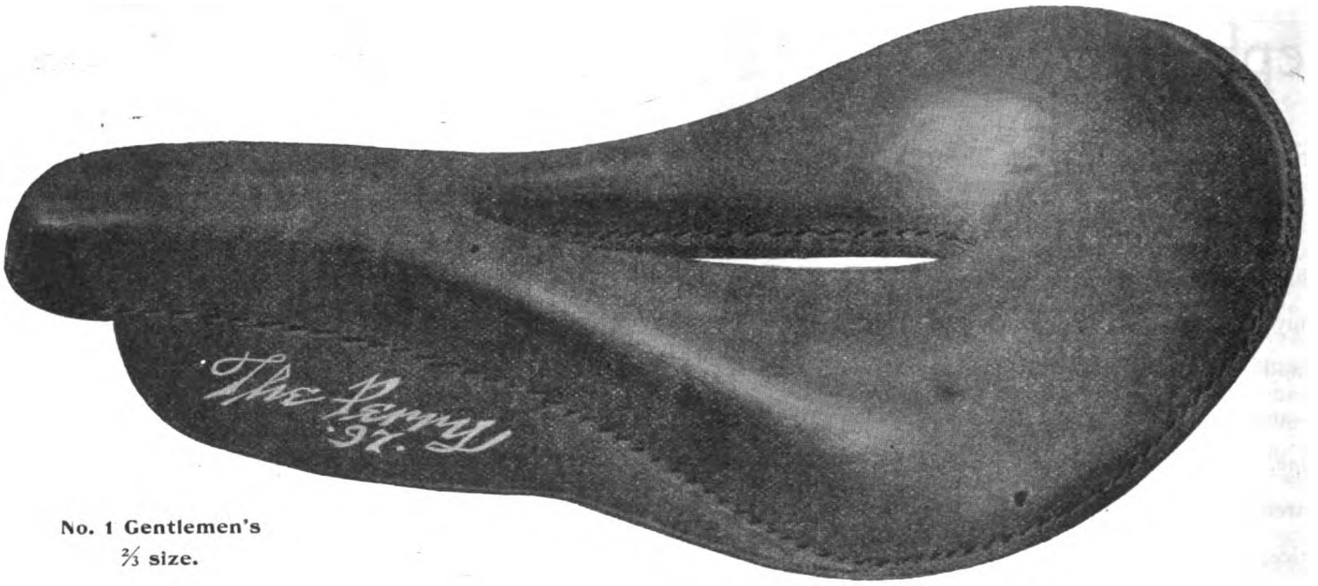
"By the use of the registers I am able to tell at a glance how trade is running in each store, whether business is increasing or decreasing, and which of my clerks are making the sales.

"I would not attempt to run one of my stores without your No. 79 National Cash Register."

T. P. Hunter

If you will send us your name, address, business, number of clerks you employ, percentage of business done on credit, and state whether or not you employ a cashier, we will send you in return, free of charge, a handsomely-printed description of a cash register system for use in stores like yours. The National Cash Register Company, Department H, Dayton, Ohio.

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No. 1 Gentlemen's
⅔ size.

This is the Celebrated **PERRY** **PNEUMATIC SADDLE.**

Unequalled for Comfort and Beauty.
No other Saddle so Good. . . .
Made in Four Styles. Price, $5.00
Write for catalogue and mention "HARDWARE."

MADE BY
HARRIS TOY CO.,
TOLEDO, OHIO:
New York Office, - 79 Reade St.
Chicago Office, - - 179 Lake St.

SAGER SADDLES.

Largest Variety, Largest Quantity, and Best Prices.
Regular leather saddles, padded hygienic saddles and pneumatic saddles.
Insist on SAGER'S and you will get the best. . . . . .

Sager Manufacturing Co.,
Most Extensive Saddle Works in the World. ROCHESTER, N. Y.

International Cycle Fittings Co.

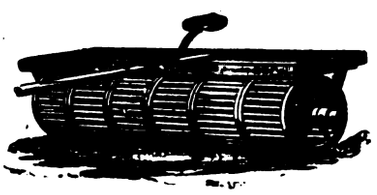


EVERYTHING FOR A WHEEL.

70 & 72 READE ST., NEW YORK, U. S. A

NIAGARA SILVER CO.,

MANUFACTURERS OF
Silver Plated Flat Ware In new Designs.
Write for Catalogue. Niagara Falls, N. Y.



Cyclone Pulverizer.

The Greatest Seller known. Actually Sells on Sight. The only Pulverizer sent on approval and trial. See it and you will sell it. . . . See also our IRON KING and LEADER STEEL ROLLER. Best line of Rollers made.

The Fulton Machine Co., Sta. B, Canal Fulton O.

The Bicycle Rider Made Happy By Using

THE STODDER PUNCTURELESS TIRE.

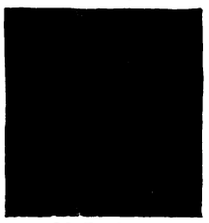
Leave your Repair Kit at home.

It is Puncture Proof, Light, Durable Resilient and Speedy. . . . .
No Steel Wire. No Leather Strips.

STODDER PUNCTURELESS TIRE CO.,
54 WARREN STREET, NEW YORK.

You are dead slow

If you do not place a dozen or more



Parker's Folding Bicycle Stands

23 Inches.
No. 2 or 6 Wheel Stand.
Price, $1.75.

in different places on prominent thorough fares in your locality with your "ad." on top. . . .

FRED. HAWLEY,
40 Gold St., New York City.

YOUNG'S PATENT PORTABLE BICYCLE STAND



2 Wheel Stand.

Is the best of its type, made to hold one, three, five and seven Wheels. Its largest field of usefulness is on the sidewalks, public and private lawns, for the temporary rest of the Wheels. Merchants provide them for their Customers. Clubs for their Members. Factories for Employees. Schools for their Scholars. Parents for their Children, etc. Send for descriptive circular.

Partial Price List:

2 WHEEL STAND, $1.25 5 WHEEL STAND, $2.50
3 WHEEL STAND, $2.00 7 WHEEL STAND, $3.00

Liberal Discount to the Trade.

Lawn Cycle Stand Mfg. Co.,
Morristown, N. J.

Well Worth It.

I. B. Bolles, Wareham, Mass. [*Hardware and Farming tools*]: Enclosed find check for $1 for HARDWARE for the year 1897. We think it is well worth it. . . . .

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The Mutual Life Insurance Company

OF NEW YORK,

RICHARD A. McCURDY, President,

Is the Largest Insurance Company in the World.

The Records of the Insurance Department of the State of New York SHOW THAT The Mutual Life

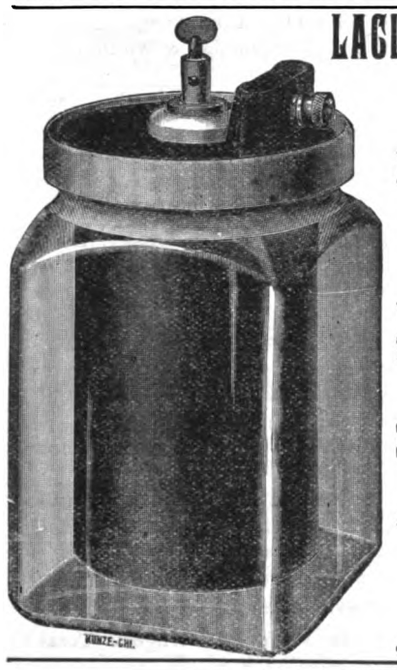
Has a Larger Premium Income,	($39,000,000)
More Insurance in Force,	($918,000,000)
A Greater Amount of Assets,	($235,000,000)
A Larger Annual Interest Income,	($9,000,000)
Writes More New Business,	($136,000,000)
And Pays More to Policy-holders,	($25,000,000 in 1896,

THAN ANY OTHER COMPANY.

It has paid to Policy-Holders since its organization in 1843, ($437,005,195.29)

ROBERT A. GRANNISS, Vice-President.

WALTER R. GILLETTE, - - General Manager,
ISAAC F. LLOYD, - - - 2d Vice President,
FREDERIC CROMWELL, - - - Treasurer,
EMORY McCLINTOCK, - - - - Actuary,
WILLIAM J. EASTON, - - - - Secretary.



LACLEDE and HERCULES BATTERIES

For Door Bells, Telephones, and Annunciators.

WARRANTED stronger and longer lived than any other Sal-Amoniac Battery made. . . . . .

MADE ONLY BY

PERU ELECTRIC MFG. CO.,

PERU, IND

ALSO MAKERS OF

ELECTRICAL PORCELAIN

OF ALL KINDS

Send for Catalogue.

THE WATERBURY FARREL FOUNDRY AND MACHINE CO

WATERBURY, CONN. U S.A.

We have selected a few cuts from our Pamphlet of Miniature Illustrations, and have classified them in a series of small circulars, viz.:

No. 1. Rolling Mill Machinery for sheet metal.
No. 2. Tube and Wire Mill Machinery.
No. 3. Silverware and Coining Machinery.
No. 4. Hardware and Brass Goods Machinery.
No. 5. Bicycle Machinery.

If you are a manufacturer of sheet metal articles you are naturally interested in new machinery, and it will cost you only a two-cent stamp to request us to forward any of the above circulars.

SHOOT BLUE ROCKS.

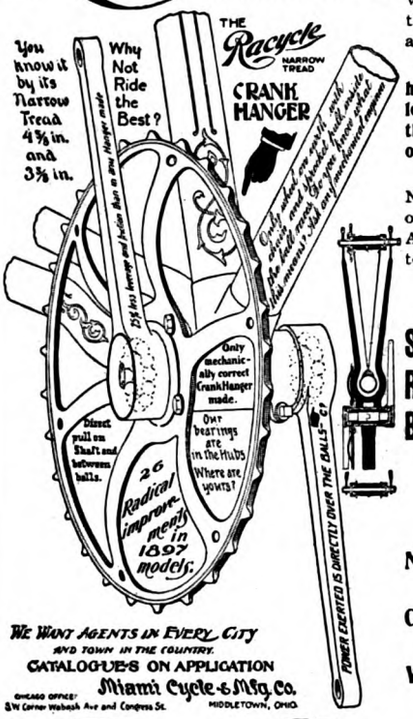
For Sale by all Jobbers.

Foreign Trade Supplied Direct or Through Exporters.

The Cleveland Target Co.,

Cleveland, Ohio.

THE Racycle NARROW TREAD



WE WANT AGENTS IN EVERY CITY AND TOWN IN THE COUNTRY.

CATALOGUES ON APPLICATION

Miami Cycle & Mfg. Co.

CHICAGO OFFICE: S.W. Corner Wabash Ave and Congress St. MIDDLETOWN, OHIO.





$1000.00 IN CASH

Will be paid to the first one who can demonstrate that the following assertion is not a fact:

The Racycle Crank Hanger has from 20 to 30 per cent. less pressure on its bearings than the Crank Hanger of any other Bicycle on the market.

All infringements barred. No bicycle considered without the consent of the maker. Address all communications to RACYCLE, Middletown, O.

Special Racycles, $100
Racycles, - $75
Bicycles, - - $50

SEND FOR CATALOGUE.

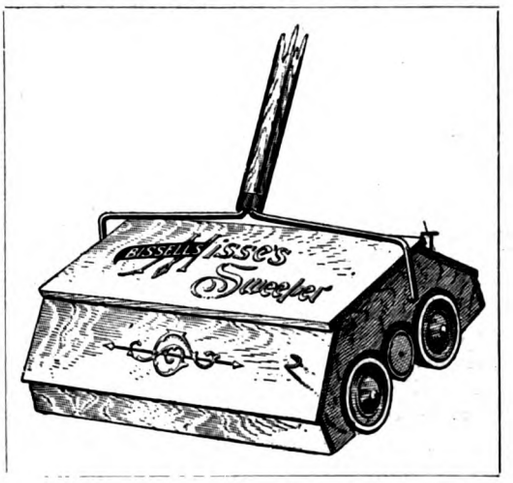
New York Agency, 108 Fulton St.
Chicago Agency, 323 Wabash Ave.
Wash., D. C., Agency, Thomas Circle.

Miami Cycle & Mfg. Co., Middletown, Ohio.

Bissell's Toy Carpet Sweepers

FOR 1897

NOW READY FOR DELIVERY.



Bissell's "Misses" Sweeper.

A NEW WANT SUPPLIED.

BISSELL CARPET SWEEPER CO.,

Grand Rapids, Mich. — *103 Chambers Street, New York.*
Toronto, Canada. — *47 Wilson Street, Finsbury, London.*

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Becker, Minn.—Frank Brasie.
Benton Harbor. Mich.—N. F. Hutt.
De Graff, Minn.—James Clemmer.
Fort Wayne Ind.—Geo. W. Freiburger.
Freeport, Ill.—H. N. Thompson & Sons.
Madera, Pa.—J. E. Kirk Hardware Co.
Madison, N. J.—James E. Burnet.
Manchester, Ohio.—Long Bros.
Minot, N. D.—M. Jacobson & Bro.
Osman, Ill.—L. N. Dolberg.
Owatonna, Minn.—John Gladbeck.
Plymouth, Ill.—Edward Miller.
Saginaw, Mich.—Dorr & Austin.
Smithshire. Ill.—Smith & Passage.
Taneytown, Md.—Milton H. Reindollar.
Tower City, N. D.—Heffron & Voorhees.
Watertown, N. Y.—Thomas H. Bradley.

Changes and Removals.

Ashland, Wis.—G. M. Cooper has moved to larger quarters at 123 E. 2nd Street.

Athens, Mich.—Graham & Palmer, stock purchased by N. E. Miller, who will continue the business.

Austin, Minn.—Daloger & Urbatch have been succeeded by W. J. Urbatch & Bro.

Benson, Minn.—John Lee has sold a half interest in the Hardware stock which he purchased recently, to H. J. Crooks, of Murdock, and the business will be continued at the old Clark stand, under the firm name of Lee & Crooks.

Benson, Minn.—M. J. Clark's stock, etc., purchased by John E. Lee.

Bowling Green, Ohio.—G. W. Loomis & Sons have purchased the Hardware stock which Receiver F. A. Baldwin had stored in the Whitmer building.

Chester, Pa.—Joseph M. Bottomley, the Hardware merchant, has retired from business. His interest has been purchased by Benj. F. Riley, who has been in Mr. Bottomley's employ for twenty-one years.

Detroit, Mich.—Colson & Morhous, succeeded by the Colson & Morhous Co.

Detroit, Mich.—Standart Bros., wholesale Hardware dealers, will occupy the whole of the building at the corner of Jefferson Avenue and Wayne Street. The firm has long occupied one-half of the building fronting on Woodbridge Street, and they are now enabled to move the offices into the Jefferson Avenue half by the removal of W. A. McGraw & Co.

Du Bois, Ind.—Kimes & Beckman, succeeded by W. F. Beckman.

Eldon, Iowa.—H. C. Mason, sold out to Ray Bros.

Fall River, Mass.—McNulty & Hoag have bought of Thomas C. McGuire the business property and business formerly owned by Tozier & Olding, and will conduct the same business in the future. The purchase of McNulty & Hoag includes all the buildings on the property as well as all the stock on hand.

Farina, Ill.—Bob Osborn sold out interest in business to his partner, F. Schmidt.

Perry, Ill.—J. A. Reed has disposed of his business to his son Charles and M. A. Wilkins, who will continue the business.

Fort Wayne, Ind.—Romacy, Geoglin & Co. have moved their stock to No. 25 Columbia Street.

Hamilton, Ohio.—Brant & Carson succeed to the business of R M. Elliott.

Hancock, Mich.—K. Yagel, stock purchased by J. Funkey, Jr.

Ladonia, Tex.—Jackson Bros., succeeded by W. B. Drake.

Lake Charles, La.—Murray-Brooks Hardware Co. succeed to the Hardware department of the old Locksley-Martin Hardware Co.

Mackinaw, Mich.—George Smith, stock purchased by August Metzler.

Merom, Ind.—Strouse Hardware store, purchased by J. W. Brown & Co.

Minto, N. D.—B. J. Narloch & Co. are enlarging their business and greatly increasing their facilities.

Mystic, Conn.—T. H. Newbury & Son, succeeded by T. H. Newbury.

Newville, Ind.—A. E. Chapman, stock purchased by J. W. Whitehurst.

Palmer, Ill.—J. A. Boyd, sold out to J. Young.

Pasadena, Cal. — G. H. Boutelle, succeeded by Boutelle & Herdig.

Summitville, Ind. — L. Burnhall, stock purchased by Butler & Overman of Marion.

Terre Haute, Ind.—Snyder & White have dissolved partnership. Business will be continued by George Snyder.

Woodville, Ohio.—Kuhlman & Blansey have commenced the erection of a new brick block, which will be built on the site of the old store. It will contain three large store rooms, and the second floor will be finished for offices. The cost will be about $15,000.

Business Embarrassments.

Ashland, Ohio.—Thomas B. Ambrose, reported to have made an assignment.

Athens, Ga.—J. W. Brown & Sons have made an assignment. Assets about $5000, and liabilities about $2200.

Boise, Idaho.—Hickok Mercantile Co., reported to have appointed a receiver.

Chicago, Ill.—W. H. Meyers & Co., No. 275 Ninety-second Street, have assigned to Henry A. Carr. Their assets are $10,000, with liabilities of about $2000.

Cripple Creek, Col.—The Reiton Hardware Co. made an assignment to J. P. Mays, who is already in possession of the store.

Edenton, N.C.—Bond & Jones have made an assignment.

Fort Fairfield, Me.—C. D. Cutts has assigned.

Hamilton, Ont.—Adam Hope & Co. have suspended payment. Trade liabilities are placed at $15,000; indirect liabilities at $60,000.

Johnstown, Pa.—Herman Bantly, store closed by sheriff.

Litchfield, Ill.—The Litchfield Hardware Co. closed by sheriff.

Loda, Ill.—Slocum & Bradley Co., reported to have made an assignment.

New Bedford, Mass.—E. H. Pierce, reported to have made an assignment.

Philadelphia, Pa.—Whetstone & Co. have made an assignment.

Tiffin, Ohio.—C. S. Cook has made an assignment. Liabilities not ascertained.

Burglaries in Hardware Stores.

Brooklyn, N. Y.—H. H. Kiffe, revolvers, etc. Loss, $40.

Brooklyn, N. Y.—S. O. Burnett, cutlery, etc. Loss, $88.

Chariton, Iowa.—E. A. Rea & Co. Loss, $180.

Earlington, Ky.—John M. Victory & Co., cutlery and firearms. Loss, $100.

Faribault, Minn.—Devery & Donahue, revolvers, razors and cutlery. Loss, $100.

Leadville, Colo. — Leadville Hardware Co., cutlery, firearms, etc. Loss estimated at over $500.

Lexington, Ky.—B. A. Graves & Co., cutlery and firearms. Loss, $100.

Merrill, Mich.—J. H. Whitney. Loss, $30.

Moundsville, W. Va.—F. T. Cortright, cutlery, bicycles, etc. Loss, $150.

Montclair, N. J.—Fentzlaff & Wolfe, cutlery, etc. Loss, $87.

Provo, Utah.—Provo Hardware Co., cutlery, etc. Loss, $75.

Tuscumbia, Ala.—W. G. & H. L. Halsey, cutlery, etc. Loss, $75.

Recent Fires.

Bloomfield, Ind.—Groves & Hassler. Loss $4000.

Calumet, Iowa. — E. Pape; totally destroyed.

Golconda, Ill. — A. W. Walker. Loss, $7000; insurance not stated.

Hudson, Wis.—Andrew Johnson & Co. Loss not stated; insurance, $1200.

Lyndonville, Vt.—J. C. Eaton. Loss not stated.

Mankato, Kan.—C. McCarthy. Loss, $200.

Minden City, Mich.—D. Leach. Total loss; amount not ascertained.

Mineral Point, Wis. — Martin & Toag. Total loss, $6000; insurance, $3000.

New Buffalo, Mich.—E. Kruger. Total loss; amount not stated.

Palmer, Mass.—J. H. Haynes. Loss, $900; insurance, $1500.

Phillips, Me.—W. B. Hellen; totally destroyed. Loss, $3700; insurance not stated.

Ramsey, Ill.—C. F. Barrick & Co. Total loss; amount not stated.

Sheldon, Minn. — Chas. Temm's Hardware store; totally destroyed. Insurance not stated.

Stella, Neb.—Camblin Bros.; totally destroyed. Amount not stated.

Tina, Mo. — William Evans. Loss not stated.

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Is the Cycle Lamp for '97.

None as handsome, as practical, nor as thoroughly and honestly made. Throws a powerful, broad light, having **a 3-inch optical ground double convex lens.** No lamp so easily cleaned. Has removable top burner and reflector, removable and **reversible oil pot.** The only lamp made with a positive wick-locking device—it acts on the ratchet. Your dealer should have them; until he has will send, carriage paid, for **$3.00,** to any part of the United States.



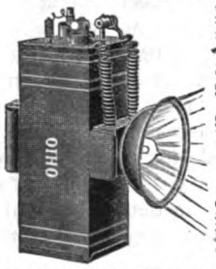
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Rigid Bracket, adjustable to either Post or Fork; Ball and Socket Joint, 50c. extra.
Absolutely Wind Proof.
Will not Jolt Out.
No Solder to Melt.
Fills on Outside Oil Fount.
Solid Brass, Heavily Nickeled.
Burns Kerosene in Packed Fount.
No Splashing.
Handsome Side Lights.

New York. Boston. Chicago. **PLUME & ATWOOD MFG. CO.**
FACTORIES: Waterbury and Thomaston, Conn.

WE UNDERSELL ALL.

It gives a Light that's White and Bright,
And two cents is the cost per night.



Bicycle Elec. Lights.	$4.0
Necktie Elec. Lights.	1.50
Edison Elec. Motors.	1.'0
Battery Fan Motors.	5.00
$8 Medical Batteries.	3 9'
$100 Bicycles, best make.....	39.00
$1.25 Bicycle Bells....	.50
Electric Bells, finest.	.30
Dry Batteries, best..	.25

Discount to Dealers.

Our Bicycle Electric Light is the best thing that ever happened. . . . . Catalogues free.

OHIO ELECTRIC WORKS, CLEVELAND, O.



COATES CLIPPER MFG. CO.,

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MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

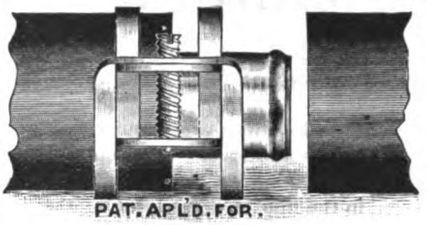
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The DOUBLE CINCH HOSE BAND and MENDER

has become staple with the progressive hardwareman the country over. It has won its place by true merit, and will surely please any user or retailer who will note its simple and perfect action, durability and strength. . . . . .

Handsome Catalogue for the Asking.

CLAYTON & LAMBERT MFG. CO., - Ypsilanti, Mich.

Kearney & Foot Co.

Manufacturers of the **100-102 Reade Street, New York.**

BEST FILES AND RASPS IN THE MARKET.

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15 STYLES

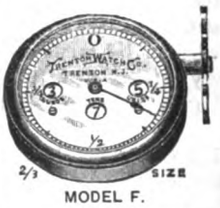
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B. & W. Saddles

Absolutely the highest grade on the market. For perfection in design, beauty of finish, quality of material, and comfort in riding they surpass all others.

THE BUTLER & WARD CO.,
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Should ask their jobbers for revised prices on Model F—1,000 mile "Midget" Cyclometers. Registers 1,000 miles and repeats. ***Price $1.00.*** You can make money on them, as they out-sell larger models.

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THE "SPARK" '97 MODEL

List, $60.

ONE WHEEL. Best Grade. ONE PRICE.

If you're IN LINE for a deal we promise to interest you. Address

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Buhl Factory and R. R. Milk Cans

WILL OUTLAST ALL OTHERS.

Made of Steel, Perfectly Fitted, Annealed and Tinned. Have the "Victor" Can Breast.
Made in all patterns and sizes.

Every piece of "Buhl" Stock is stamped with the Milk Can Trade Mark. Write for Booklet.

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Bayonne, N. J.—The Bayonne Tool Works will engage in the manufacture, selling and dealing in metal ware and tools in this city. The capital stock is $2000, divided into 40 shares of a par value of $50 each. The stockholders are Joseph M. Cohen, of Bayonne, 10 shares; Adeline Cohen, of New York city, 5 shares, and Charles Cohen, of New York City, 5 shares.

Chicago, Ill. — The Chicago Hardware Foundry Co. has been incorporated. Capital stock, $5000, for manufacturing. Incorporators, Earl P. Sedgwick, J. A. Sedgwick and Hope Reed Cody.

Chicago, Ill.—The Chicago Truck Co., at this place, increased its capital stock from $10,000 to $20,000.

Denver, Col.—Articles of incorporation were recently filed for the Palmer Hydraulic Pump Co. Capital stock, $50,000. Offices, Aspen, Denver, Colorado Springs and elsewhere. The company will engage in the manufacture and sale of pumps. Philip O. Palmer, William J. Cox and William Rowland Cox are directors and incorporators.

Fulton, N. Y.—The Fulton Pulley Co. has been incorporated by Edwin Redhead and others, to manufacture and sell wooden split pulleys and other articles of wood and iron. Capital stock, $10,000, with $6000 paid in.

Glens Falls, N. Y.—A lantern manufactory is about to be added to the diversified industries of this village. The separator building on Maple Street, owned by the Gurdon Conkling estate, is being fitted up for the purpose by the Glens Falls Lantern Co., which is composed of D. V. Brown, Harvey G. Ellis and Albert Hermance. The building is sixty by thirty feet in dimensions, and two stories high, with basement. The machinery necessary for the work is now being built at Buffalo, and it is expected to have the plant in operation July 1. As secretary and treasurer, D. V. Brown will look after the business affairs of the company, while Mr. Hermance, who is a practical lantern maker and owner of the patents, will have charge of the manufacturing department.

Hillsdale, Mich.—A company has been organized here for the purpose of manufacturing heating furnaces, with a capital of $50,000. E. M. Washburn is president, S. H. Smith, vice-president; Geo. N. Smith, secretary and treasurer. C. H. Armstrong, of Toledo, Ohio, who was the originator of the enterprise, will be manager.

Indianapolis, Ind.—The Indiana Wringer Co. of this city, capital stock, $5000, was incorporated to-day. The stockholders are Herbert E. Powell, William L. Higgins and Clifford L. Powell. The Powell brothers came recently from Chicago, and have invested of their capital and Chicago "push" in this and several other enterprises.

Los Angeles, Cal.—Among the curiosities in the line of companies is the incorporation of the Universal Teapot Co., formed to manufacture and deal in vessels in which to infuse coffee. Principal place of business, San Francisco. Directors, N. J. Stone, C. D. Stuart and James Stuart, San Francisco; James Mackintosh, Morashire, Scotland, and J. D. Kenney, New York city. Capital stock, $1,000,000, of which amount $500,000 has been subscribed.

Olneyville, R. I.—The Norwood Mfg. Co. is the name of a new concern that is just starting in business in the old button factory in Tan Yard Lane. The company, which will manufacture novelties, door and name plates and business signs, is composed of Edward Dexter, of East Providence, and Elmon Johnson, of Johnston.

Omaha, Neb. — The Lawrence Shot & Lead Co. has been incorporated by Captain Lawrence, late manager of the Trust Shot & Lead Works; Walter G. Clark, Dan Farrell, Jr., and G. G. Sengesteadt, who comes from the East, and will be secretary of the company. It has established temporary offices with Mr. Clark, on Harney Street, and secured a location for trackage on Boulevard Street, adjoining the new Krug brewery. It is moving the old shot tower building, which is massive and admirably suited to the use of the business, from South Twenty-fourth Street to its new site, and is having plans drawn for new machinery, which it is expected, can be made in this city. The company expects soon to begin dropping shot and going into the field for business.

Paducah, Ky.—The Columbus, Ind., Handle & Rim Co. has leased the Ohio Rim & Spoke Works in this city, and will at once begin the manufacture of implement handles.

Richmond, Va.—A. M. Tyler, inventor of the automatic sash fastener, is on a trip North, gaining information looking to the economy of the manufacture of his clever device. When he returns home it will be decided whether the prospective company will erect its own plant for manufacturing the fasteners, or whether they will be manufactured by contract with some existing machine works.

Sandy Hill, N. Y.—The Sandy Hill Iron & Brass Works have been incorporated. The new concern is capitalized at $100,000, divided into 1000 shares, and is to begin business with $85,000. Its objects are stated to be to buy and sell machinery and supplies, and build and equip mills and factories. The directors for the first year are: F. M. Van Warner, C. T. Beach and R. C. Tefft, of Sandy Hill.

Savannah, Ga.—John P. Daly, inventor and patentee of several valuable devices, who has been negotiating for some time with capitalists, has closed a deal to organize a company for the manufacture, introduction and sale of his "patented combined can opener, screwdriver, tack puller and hammer." The invention is said by experts to be a very valuable one, being the best device of the kind ever patented. The company will be known as "The Daly-O'Brien Mfg. Co.," with headquarters in New York. The business will begin at once, and as soon as it is well under way a branch distributing office for the South will be established at Savannah.

Westfield, Mass.—A company it is likely will soon be formed to manufacture wooden pulleys of an improved style, whose inventor has been seeking assistance from local capital for some time. If the project "goes" the manufacturing will be done at Sherman's grist mill, at Little River, where excellent water power is available.

Improved Conditions.

Anderson, Ind.—The Shovel Works have had the "closed back" department, that is, the west wing of the factory, for two years, but it has never before been operated except during day time. It was recently started at night time, so far as the welding and polishing machines are concerned. About twenty more men were given employment. The business of the firm is increasing so rapidly during McKinley times, that this was necessary.

Baltimore, Md. — Bartlett, Hayward & Co. contemplate the enlargement of their foundry.

Chicago, Ill.—The Forge & Bolt Co. has begun the construction of an addition to its works.

Minneapolis, Minn.—A new woodenware factory is in course of construction on the river bank, at the foot of Eleventh Avenue N. E., which, when completed, will employ forty hands. The enterprise is controlled by the McVoys, and they expect to find a market for their products in the Northwest. The main building, 64x112 feet, will run four lathes, and will be a frame structure, iron clad, and two stories high. There will also be a brick power house, and a drying kiln.

North Tonawanda, N. Y. — About one month ago the Tonawanda Iron & Steel Co. banked its furnace "B" for enlargement. Since then the work has been going diligently on, but the real extent of the enlargement was not made public until recently. Five more tuyeres are being added to furnace "B," which will increase the output about one-third, and give employment to a large force of new men. Supt. Kerr said, recently, "We will take back all our old men, and in about one month we will run at full capacity with 450 men. We will have business enough to give new men work right along."

Rockford, Ill.—W. F. & John Barnes Co. have built a brick addition, 50x100 feet, four stories high. The buildings now cover a span of 250 feet by 150 feet.

Trenton, N. J.—The Skillman Hardware Co. is building a new japan kiln and kiln shed at its works on Philemon Street.

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"The SUCCESS OF THE PHILADELPHIA SHOW" . . .
WAS THE
OSTERMAN BICYCLE BELL.

Rings loud and clear like an electric bell.
The faster the speed the sharper the alarm.
Rings on the slightest pressure of the button.
Needs no care.
Never wears out.
Quickly adjusted to any wheel.
Strong, Simple.

AGENTS WANTED IN EVERY TOWN.
MADE ONLY BY
JOSEPH OSTERMAN & CO.,
4411 Main St., MANAYUNK, PA.







EAGLE
Bicycle Pump

MADE WELL!
SELLS WELL!
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Fills Tires Quicker
Than Any Other Pump.

Connecting nipples all accurately threaded, and will fit all the well-known tires.

Write for Trade Prices
Special Inducements to the Jobbing Trade.

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JOB LOTS OF HARDWARE

I buy and sell in any quantity complete lines of HARDWARE. MANUFACTURERS having JOB LOTS will find me a ready purchaser. RETAIL DEALERS will find my prices lower than any house in the business. . . .

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HARDWARE MANUFACTURERS' AGENTS,
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NEW YORK OFFICE OF
THE PHOENIX HARDWARE MFG. CO.
MASON & PARKER. J. B. TATEM & SON.
THE BARNES TOOL CO. E. LOUD MFG. CO.

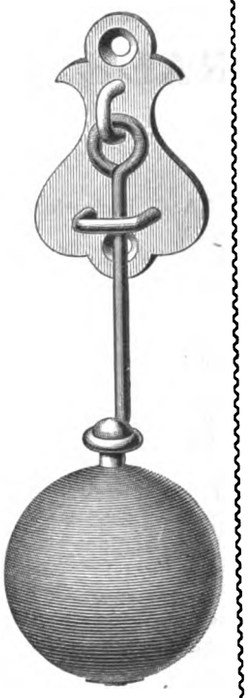
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Without a pair of



Thiem's Patent Adjustable Toe Clips.
They give double driving or doublestopping power.
800,000 pair in actual use.
THIEM & CO., Sole Mfrs., ST. PAUL, MINN.

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NEW YORK.

BONE BLACK
For Tempering and Filtering Purposes.



No-Slam Checks.

The slam of the Screen Door that breaks in on the summer days' quiet is a reminder that our NO-SLAM Screen Door Check will prevent just such noises. The comfort that comes with the attachment of this little noise-preventer is an argument in favor of its general use. The hardware dealer should keep it, talk about it and sell it.

SARGENT & COMPANY,
NEW YORK; AND NEW HAVEN, CONN.
Makers of the famous Sargent's Easy Spring Locks.



A Great Seller!

At a Good Profit.

Pike's Quick Edge Pocket Knife Hones, in display box, a practical sharpener for knives and scissors.

Send for Prices.

Scythe Stones, Oil Stones, Razor Hones, Etc.

THE PIKE MFG. CO,
Pike Station, N. H.

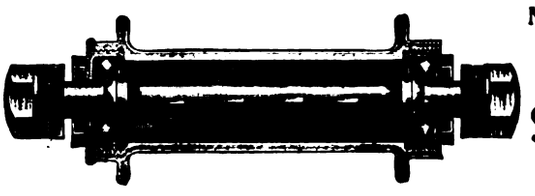
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DIAMOND CHAINS
Are fitted with the ONLY PRACTICAL HARDENED RIVET MADE and don't fail to specify them when ordering wheels. . . . .



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INDIANAPOLIS, IND.

R. B. McMULLEN & CO., Chicago and New York, General U. S. Sales Agents.
New York Depot, J. S. Leng's Son & Co., 4 Fletcher Street.
Boston Depot, Very Cycle Co., 245 Columbus Avenue.
Pacific Coast Depot, Western Rubber Co., 14 Fremont Street, San Francisco.

SIMPLE
SOLID
SENSIBLE
TIGER Bicycles.



No Castings! No Freaks!
No Nonsense!
THREE GRADES,
$100, $75, $60.
Send for Art Catalogue M.

STODDARD MFG. CO., Dayton, Ohio.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Stores.

Argenta, Ark.—J. R. Chamble.
Beeville, Tex.—W. T. Landridge.
Burlington, Vt.—E. N. Vancor.
Caledonia, Minn.—A. J. Flynn.
Canby, Minn.—Edward C. Hull.
Cleveland, Ohio.—A. F. Hartz.
Cooperstown, N. Y.—Charles H. Kane.
Cordele, Ga.—Shipp & Carson.
East Point, Ga.—F. T. Hunt.
Fairbury, Ill.—P. B. Streeper.
Geneva, Ohio.—D. R. Grace.
Hastings, Minn.—G. A. Mahar.
Homer, N. Y.—L. Morse.
Inman, Kan.—Perner & Harms.
Leominster, Mass.—Trumbell & Prevear.
Marlboro, Mass.—L. Guertin.
Marquette, Mich.—Robert Steele.
Minneapolis, Minn.—Salisbury & Satterlee
Monmouth, Ill.—Weir & Higgins.
New Lathrop, Mich.—Stuart Bros.
Newport, R. I.—H. A. Heath & Co.
Newton, Mass.—W. B. Jones.
Oconomowoc, Wis.—L. D. Rosenkranz.
Onset, Mass.—W. E. Ward.
Port Huron, Mich.—J. D. Stephenson.
Reynolds, Pa.—J. Burgh.
Richmond, Va.—E. H. Clewes & Co. have taken agency for Victors.
Sheboygan Falls, Wis.—W. M. Little.
Sioux Falls, S. D.—Gregory & Maxwell.
Utica, N. Y.—C. H. Kassing.
Toledo, Ohio.—Baker & Rosebrugh.
Wakarusa, Ind.—I. Deering.
Washington, D. C.—Goodyear Rubber Co. have taken agency for Demorest.
Washington, D.C.—W. C. Newton & Co., No. 622 D Street, N. W., have commenced to handle the Hickok bicycle.
Washington, D. C.—W. D. Hadger has taken agency for Wolft-American.
Waukegan, Ill.—H. M. Wheeler.
Whitinsville, Mass.—J. A. Milligan.

New Companies, Agencies, Etc.

Baltimore, Md.—The Faultless Roller Brake Co. has been incorporated by Benj. Steinheimer, William H. Weil, Louis Kraus and others, to manufacture bicycle novelties. Capital stock, $10,000.

Brooklyn, N. Y.—The Cushioned Steel Tire Co. has been incorporated by Alfred H. Bronson, John L. Douglass and Levi Eldridge. Capital stock, $10,000.

Carlyle, Ill.—H. T. & S. D. Ward, dealers in sewing machines and organs, will manufacture bicycles. They invite correspondence with manufacturers of wheels and sundries.

Norfolk, Va.—The White Cycle Co. has been incorporated with L. B. White, president, Luther W. White, vice-president, and H. L. White, secretary-treasurer, to carry on a bicycle business, etc. Capital stock, $10,000.

St. Louis, Mo.—The Vandegrift Tire Co. has been incorporated by John McCargo, Charles Duffee and A. G. Endearle. Capital stock, $1,000,000.

Syracuse, N. Y.—The Frontenac Mfg. Co. has been incorporated to manufacture bicycles. Capital stock, $75,000. Directors: Edwin D. Dickinson, Charles H. Duell, F. Herbert Halcomb, Willard Kimball and Frank C. Howlett.

Toledo, Ohio.—M. D. Baker has opened a new store in the Halsted-Bennett block, on Superior Street.

Washington, D.C.—The Hydrocycle Mfg. Co. has been incorporated with E. S. Randall, president; A. P. Gordon, vice-president, and C. H. Pirtle, secretary-treasurer. Capital stock, $10,000.

Wilmington, Del.—The McDaniel Cycle Co., recently incorporated by the legislature, was organized recently. The following officers were elected; President, William E. Hawkins; vice-president, Jesse K. Baylis; secretary, treasurer and general manager, B. F. McDaniel. The company's place of business is at No. 1011 Market Street, where it will engage in the manufacture, sale and repair of bicycles and tricycles.

Changes and Improvements.

Adrian, Mich.—Streeter & Teachant have dissolved.

Albernini, B. C.—D. M. Patterson, reported to have sold to W. H. Millingness.

Auburn, Ill.—Savage & Ramsay, harness, etc., desire to add a bicycle department, and invite propositions from manufacturers.

Augusta, Ga.—The Southern Cycle & Sporting Goods Co; their entire stock is offered for sale by E. G. Costello, receiver.

Boston, Mass.—Hatch Bicycle Patch Co. removed to No. 1 Lincoln Street.

Boston, Mass.—Mechanical Mfg. Co., removed temporarily to Doane Street.

Charleston, Ill.—C. J. McCarty sold out.

Chicopee, Mass.—William Thereau has opened a new repair shop at No. 105½ Main Street.

Coleman, Mich.—F. H. Gibbs & Co., succeeded by Gibbs & Wixson.

Danville, Ill.—Swisher Cycle Co. sold out.

Denver, Col.—A. L. Deane & Co. will remove to Kittredge building.

Galveston, Tex.—John A. Payment has been succeeded by John A. Payment & Co.

Lafayette, Ind.—The Lindsay Bicycle Works have been sold to Mr. Kirker, of Cincinnati, who was largely interested in the bicycle business in that city. The works will be opened shortly with several hundred employes.

Lebanon, Pa.—David Brightbill, sold out to William Freshley.

Littleton, N.H.—C. J. Currier has opened a new repair store.

Meriden, Conn.—Brainerd & Wilcox have dissolved; W. J. Wilcox will continue.

Oakland, Ill.—W. J. Ashmore sold out.

Oneida, N. Y.—Plate & Co. removed from No. 45 to No. 77 Madison Street. F. G. Underwood has retired, and been succeeded by F. W. Chapin.

Petoskey, Mich.—Miller & Co. have been succeeded by C. F. Lancaster.

Philadelphia, Pa.—William J. Haines Co., steel and bicycle parts, are reported to have sold out.

Rushmore, Minn.—Ferrin & James have been succeeded by A. W. Ferrin.

Toledo, Ohio.—Ott & Helmley, manufacturers of the Lucas wheel, have moved into larger quarters at No. 602 Monroe Street.

Wadena, Minn.—E. B. Benedict will enlarge his factory.

Recent Embarrassments.

Hyde Park, Mass.—Corbett & Andrews reported to have applied for relief in bankruptcy.

Mobile, Ala.—George B. Toulmin & Co. have assigned to George B. Cleveland.

Newark, N. J.—The Warwick Tube Co.; Roderick Byington appointed receiver. Liabilities estimated at $10,000. It was chartered in January, 1896, and had a claimed capital of $25,000.

Norfolk, Va.—S. L. Sears, bicycles and bicycle parts, assigned to Bruce Simmons, trustee. He reserves the tools and utensils of his trade, valued at $100. Liabilities upwards of $100,000; assets not stated.

Norwich, Conn.—C. W. Cilley Co. are in the hands of a receiver. The company was started by Mr. Cilley in June, 1895, and incorporated in November, 1896, with a capital stock of $25,000. Reports state that the company entered into a contract with a New York house by the terms of which it could not collect moneys due for some time to come. This contract expires July 1 next. Being cramped for funds on account of the capital thus tied up, application was made for a receiver for the company, and Frank H. Allen, of Norwich, was appointed.

Pittsburg, Pa.—The Pittsburg Cycle Co.; premises have been closed by the sheriff under executions against A. C. Hess, individually.

Richmond, Va.—The Old Dominion Cycle & Supply Store, No. 1004 East Main Street; Charles J. Hains has made an assignment to Ordway Puller, trustee. The deed conveys all of Mr. Hain's interest in stock of bicycles and attachments in the store, together with all accounts, the unexpired list and other property on the premises. Liabilities about $1500.

Rochester, N.Y.—Punnett Cycle Mfg. Co.; sheriff in possession of the factory.

Seattle, Wash.—The Bingley-Hardwick Co., sporting goods, stock, etc., sold out by sheriff.

Recent Fires.

Northampton, Mass.—The Hampshire Cycle Co.; damaged by fire, at a loss of $12,000. Fully covered by insurance.

Simcoe, Ont.—George Gilmour, bicycle repairer, damaged by fire at a loss of $800. No insurance.

Winona, Minn.—The Winona Wooden Rim Co., bicycle rim factory damaged by fire, at a loss of $10,000; partially insured.

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History made LIBERTY BELL honored and loved. Sweetness and purity of tone have made THE NEW DEPARTURE BICYCLE BELLS THE widely known and universally appreciated. The acme of excellence—The ideal of perfection—

"Just hear dem bells. Dey's ringing everywhere."



34 STYLES

FREE SOUVENIR BOOKLET upon application.

NEW DEPARTURE BELL CO. No. Main St. Bristol, Conn.

STERLING BELLS.



One Best THE Sterling.

Bells of all Description.
Send for Catalogue.

N. N. HILL BRASS CO.,
East Hampton, Conn.

Bells.



The belle of the ball on her escort leaned,
And so very happy the dear girl seemed,
That he took her aside to a cozy retreat
And told her the story that's always so sweet.



She perked up her lips, so enticing and fair,
And his own were reaching the heaven that's there,
When she said, "Dear boy, this is only a sell.
You'll first have to buy me that 'Climax' bell."

The new 1897 model "CLIMAX" Bell possesses without doubt the most improved Lock Clamp known. Can be adjusted to the Handle Bar quickly without removing the screw, thus saving all vexatious worriment in the operation, and at the same time presents a more attractive appearance than any other kind of an attachment.

We have just published a handsome little booklet to be carried in the vest pocket, containing lots of valuable information for the benefit of wheelmen. Send us a two-cent stamp and we will mail you a copy.

Climax Bell Co., 403 Washington St., Boston, Mass

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High Grade and Low Priced Wheels.
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NEW MAIL, Highest Grade, $85.

Featherstone and other lines, Medium Priced Wheels, offered as the

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Surely get our quotations before placing your orders. Save you money!

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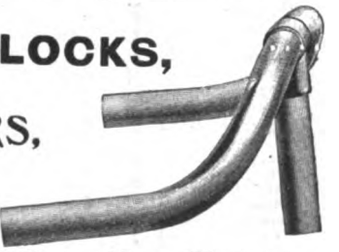
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PERFECTION PADLOCKS,

All Sizes, ½ inch to 2½ inches.

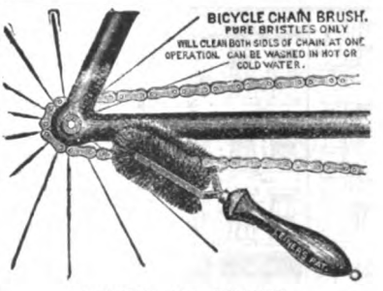
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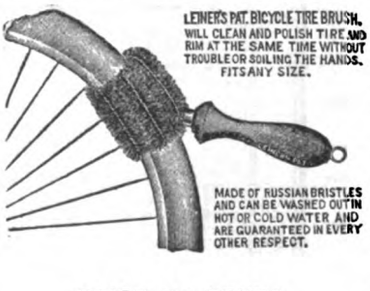


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CORRESPONDENCE SOLICITED.



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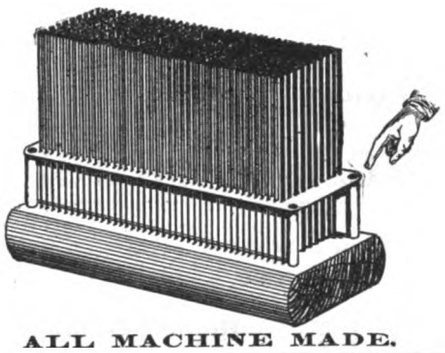
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Sent by mail upon receipt of price.

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THIS STRUCTURE? WHAT'S IT FOR?

Well, it gives surprising durability!

Our goods are Guaranteed unsurpassed in Durability, Workmanship, Material.

Their elegance attracts the eye at once.

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SATISFACTION GUARANTEED OR MONEY BACK.

THE BUCHEL BRUSH NOVELTY CO.,

Mention "HARDWARE." NEW ORLEANS LA.

ESTABLISHED 1868

HAYES SKYLIGHTS (METALLIC) LATHING &c

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FIRE-PROOF CONSTRUCTION

BRUCE & COOK,

TIN PLATES AND METALS,

186, 188 and 190 Water St.,
248 a d 250 Pearl St., NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
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Lysle Cleat Former
Mallets
Malleable Ears



Maneer's Bench
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Roofing Tin
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Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
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COVERT MFG. CO.,
WEST TROY, N. Y.
Derby Snap,
With Plated, Rust Proof and Guarded Spring. . . .
"The latest and best."
For sale by Jobbers at Manfrs. prices.

"Sanitary" Ventilated Lunch Boxes.

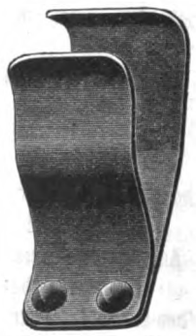


These boxes are made under our patents, are made of tin, japanned the color of paper boxes, can be eared out, are tight, ventilated and will outlast many paper ones.

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THE COLUMBIA SAFETY.
Self-Retaining
Dumb Waiters
Elevators,
Cellar Lifts and Speidel's Safety Hoists. . . . . .
Manufactured by
J. G. Speidel,
Send for Catalogue. READING, PA.



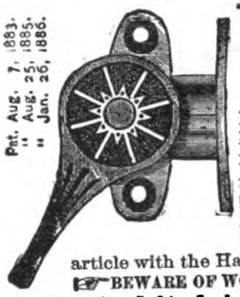


Burton's Anti-Rattler.
The Best thing of the kind in the world. . .
For details, prices, etc., send to
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Burton's Topless Anti-Rattler, NO. 3.

"PRODUCTIVE OF RESULTS."

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Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

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KNIVES, FORKS, SPOONS,

Bicycle Pedals, Nut Cracks, Picks in Solid Nevada Silver or Nickel, or Plated on Steel, and Gold Aluminum Ware, Peppers, Salts and Napkin Rings. Tin Plated Goods. . . . . AT LOWEST PRICES.



Samples, 25c.

SEND FOR SPECIAL DISCOUNTS.

THE UPSON & HART CO.,
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PARKS STOVE POLISHING MITTEN.



Best Made.

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PARKS & PARKS, TROY N. Y.

ELECTION OVER. BUSINESS BOOMING.

A WARNING:

Send in your orders at once for the . . . . . ROGERS BRAND SILVER PLATED WARE.

We'll take them as they come — first come, first served—and we'd advise you to be one of the first.

New, smart designs now ready in this

Unrivaled Brand of Silver Plated Ware.

MADE ONLY BY US.

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RE-INFORCED TRAYS.

SOLID FRAME.

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ALL PARTS CLAMPED ON.

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Strongest, Easiest Handled.
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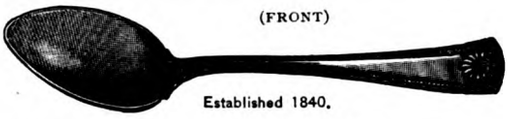


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MANUFACTURERS, Akron, Ohio.

Highest Grade of Silver Plated Ware In Spoons, Forks, Etc.

Manufactured by

L. BOARDMAN & SON, East Haddam, Conn.



Established 1840.



Also Nickel Silver Flat Table Ware and Britannia Spoons.

Write for Catalogue and Prices.

CORPORATE MARK,

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—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any infringements of our Name and Corporate Mark will be promptly prosecuted.

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ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

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WEBSTER & HORSFALL, PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of the following brands of Cutlery:

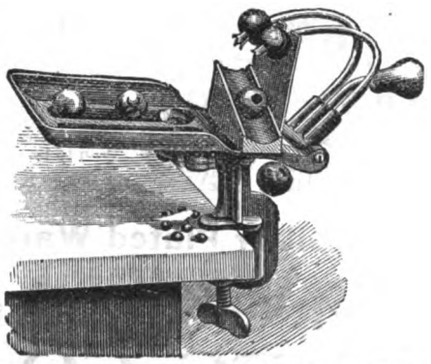
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COULD NOT KEEP HOUSE WITHOUT IT.

Sickels, Preston & Nutting Co., Davenport, Iowa. [*Wholesale Hardware*]: We would not know how to keep house without HARDWARE. The review of the Hardware markets, trade reports and editorials are frequently read before letters are opened that are received in the same mail with HARDWARE.

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No other Cherry Stoner does it.



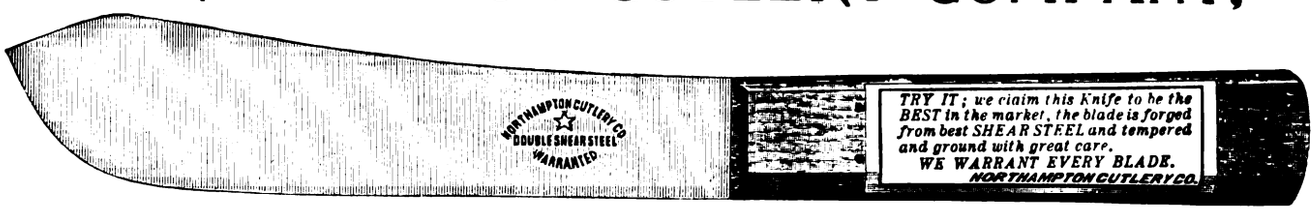
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ACKNOWLEDGED THE BEST

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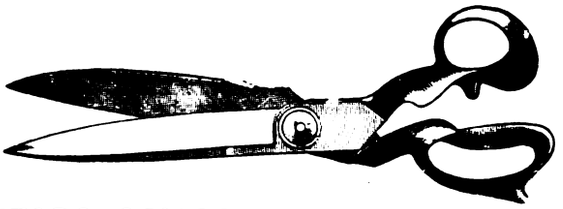
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New York Office, 90 Chambers Street. NEWARK, N. J.



WHEN YOU WANT THE

Best Quality and Finest Finish



SHEARS, SCISSORS & TINNERS' SNIPS

YOU SHOULD HANDLE THOSE MADE BY

J. WISS & SONS, NEWARK, N. J.

We make the Largest line of

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WE make a specialty of High Grade Shears suitable for Mill and Factory use. No mechanic can afford to use poor tools. Ours are the **BEST** in the line, consequently the cheapest. . .

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SUPERIOR QUALITY

CAST STEEL TOOLS

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Goods carried in stock in New York for prompt shipments

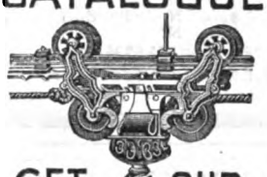
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WELL TANK & SPRAY PUMPS

HAY CARRIERS, FORKS, PULLEYS &c.



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New Britain, Conn. New York. Philadelphia. Baltimore. London

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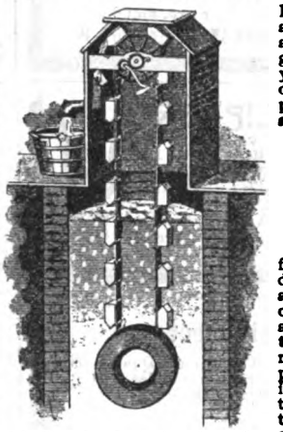
BUILDERS' HARDWARE.



Clermont Design.

Wrought Bronze Metal.

THE ONLY "PERFECTION" WATER ELEVATOR AND PURIFYING PUMP



Dealers, get in line and sell your trade an article you can guarantee for ten years. The chain or buckets is the principal factor in any elevator. The **Perfection Bucket** is cut by die in one piece of **Black Open Hearth Steel** folded together by double lap seams, and the entire chain **Galvanized** after **Construction.** Others are made of several pieces of galvanized iron soldered together. Simply this one feature is a sufficient guarantee that the **Perfection** has no equal. It is handled by all leading jobbers throughout the world. Call for the **Perfection.** Take no substitute.

It is the simplest structure for raising water on the continent; guaranteed never to freeze. . .

For full particulars, circulars, etc., address the sole manufacturers.

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. . . THE . . .

CHASE PUMP & MFG. CO.,

Manufacturers of the Most Complete Line of

DOUBLE-ACTING FORCE LIFT and WIND MILL

PUMPS

On the Market.

The ONLY Pump with ALUMINUM VALVE SEAT.

Write for Catalogue and Prices.



THE CHASE PUMP & MFG. CO.,

Ment'on this paper. COLUMBUS, OHIO.

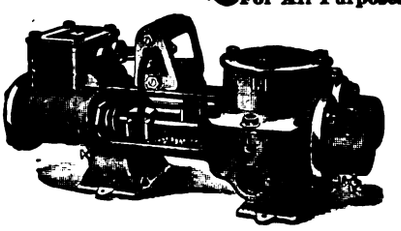
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The Miller Duplex Steam Pump

For All Purposes.



THE GILT EDGED PUMP OF THE WORLD.

MANUFACTURED BY

THE CANTON PUMP CO., CANTON, O., U. S. A.

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MANUFACTURERS OF ALL KINDS OF

FORCE LIFT SPRAY TANK **PUMPS**

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GREAT VALUE AS AN ADVERTISING MEDIUM.

Buck Bros, Milbury, Mass. [Tools]: We appreciate the great value of HARDWARE as an advertising medium.

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1 oz. bottles per gro. $5.00
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JOHNSTON'S IMPERIAL CARPENTERS' PENCILS.
OVAL, BEVELED, TRILATERAL, HEXAGON.
—HIGH GRADE.—
Price per gro. $5.00.
J. D. JOHNSTON, Newport, R. I.


THE CLEVELAND LAWN WEEDER.
The only practical device on the market. Sample free to Hardware dealers
Write for prices to your Jobber or
The Cleveland Lawn Weeder Co.,
612 New England Bldg, Cleveland, Ohio.

Seed's Reversible Self-Cleaning ... WATER FILTERS
BRASS, NICKEL PLATED.
No. A1 Per dozen, $4.00 No. 3 Per dozen, $1.50
No. 2 " " 2.50 No. 4 " " 1.00
In 5 Gross lots, 10 per cent. off.
J. H. SEED, Manufacturer,
21 and 23 Centre Street, - - NEW YORK.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

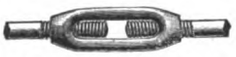
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MANUFACTURERS OF
HIGH GRADE "Hardware" List of Tacks, Nails, Brads &c.
Also a full line of Shoe Finder's Tacks and Nails.
—Orders Solicited.—
Prices and terms quoted promptly on application


WOOD or METAL Workers
without steam power can save *time* and *money* by using our Foot and Hand Power Machinery
Send for Catalogues—
A—Wood-working Machinery.
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SENECA FALLS MFG. COMPANY,
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What Every Family Needs.
Pure Washed Filteration Quartz, free from all mineral impurities. Can be used in any filter or through cloth. . . Sold only by
The New England Filteration Co.,
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If you would use only the best use
Barnes National Writing Ink and Mucilage.
BARNES NATL. INK CO.,
NEW YORK & PHILADELPHIA.

TURNBUCKLES.

MERRILL BROS.,
466 Kent Avenue, Brooklyn, E. D., N. Y.

Manufacturers' Agent
Is open to handle good specialties, wants sole agency for Canada. . . .
MARTEN & PARTNER,
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HOUSEFURNISHING HARDWARE & HARDWARE SPECIALTIES.

Basting Spoons, Cake Turners, Mincing Knives, Ice Tools, Tack and Nail Hammers, Hatchets, &c. Champion Cross Cut Saw Handles, &c.
KNAPP & PRATT MFG. CO.,
GENEVA, OHIO.

ON OUR AD. LIST AS ONE OF THE BEST.

Troy Nickel Works, Troy, N. Y. [Alaska Stove Hardware]: HARDWARE is on our advertising list as one of the best. We will be glad to keep you in this position.

EACH YEAR RECEIVED BETTER RESULTS.

Standard Tool Co., Cleveland, Ohio. [Tools]: During the five years we have had an advertisement in HARDWARE we have each year received better results.

One of the Best Mediums Known.

C. T. Williamson Wire Novelty Co., Newark, N. J. [*Corkscrews*]: To present new goods to the trade we consider HARDWARE one of the best mediums known.

Hardwaremen's Exchange.

Notices of ***HELP WANTED*** *or* ***SITUATIONS WANTED*** *will be inserted in this column free of charge. Should not exceed Four Lines.*

ALL OTHER NOTICES, *twenty-five cents per line.*

Help Wanted.

WANTED—A traveling salesman, who is thoroughly familiar with gas and oil stoves. To one who is thoroughly competent, a splendid opportunity.
Address PRIMUS COOKING & HEATING APPARATUS CO., No. 197 Fulton Street, New York.

RESIDENT agents wanted in all parts of the country to handle fastest selling and best paying Hardware specialty on the market. Address with references, stating territory desired, etc., MANUFACTURER, care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

POSITION as salesman, indoor or road; Philadelphia, or New York and vicinity preferred; 20 years' experience Hardware and cutlery, eight on road; thoroughly posted. Address DAVID HUGHES, No. 1121 G Street, N. E., Washington, D. C.

BY a thorough Hardwareman, aged 32 years, 18 years' experience; situation as either in or outdoor salesman; can furnish best of references. Address G. B. W., No. 28 South Fifth Avenue, Mount Vernon, N. Y.

RAZOR manufacturing foreman desires to change location; 21 years' experience. Any good cutlery concern wishing to make their own razors, might increase their profits by addressing RAZOR MAKER, care HARDWARE, No. 143 Chambers Street, New York.

A MIDDLE-AGED man of an extensive acquaintance in Eastern North Carolina wishes a position as a traveling salesman of Hardware; can command a good trade. Address L. R. LAND, Norfolk, Va.

A TRAVELING salesman with seven years experience in builders and general Hardware; can furnish A1 references as regards ability and integrity. Address A. P. H., care HARDWARE, No. 143 Chambers Street, New York.

DIE-MAKER—Position wanted. A1 practical die and tool maker, well up in all latest improved dies and tools for novelty or general Hardware, Dies for Blanking, Drawing, Stamping, Forging, Piercing, etc., for all sheet metals as Brass, Iron, Steel, Aluminum, etc., well up in modern shop methods to increase production; can design and develop ideas; have had ten years' experience in best shops of Massachusetts and Connecticut. Can accept first week in May. Best of references as to ability and character. Address DIE MAKER, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Situation as house or traveling salesman with Hardware or bicycle house. Fifteen years in retail Hardware and six with bicycles. Also have traveled a little. Can give best of reference. Address L. B. 84, Castile, N. Y.

WANTED—Thoroughly experienced bookkeeper, correspondent or office man desires position with responsible wholesale or retail firm. Address J. G. R., box No. 533, Lake Mills, Ia.

WANTED—By young man a position in wholesale or retail Hardware store, inside or outside. Have had six years' experience; can give all references; speak German and English. Address RELIABLE, care of HARDWARE, 143 Chambers Street, New York.

YOUNG man, 21, over six years' experience in offices of large Hardware concerns. Best references. Good writer and figurer. Ambitious. Address A. B. H., No 41 East 106th Street, New York City.

YOUNG man (28) practically experienced in manufacturing and selling metal ware, moderately familiar with important European languages, wants position with concern intending development of foreign trade Willing and able to do any other work in addition when desired. A. M. ENERGETIC, care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS


For fastening all kinds of structure to brick and stone work
Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue B. Toledo, Ohio.

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Situations Wanted.

By a man who has had sixteen years' experience in the Hardware line. Knows entire business and acquainted with city trade and trade within a radius of 100 miles of New York City. Address, TROWEL, care HARDWARE, No. 143 Chambers Street, New York.

Position wanted by a young man 27 years of age, eight years' experience in wholesale Hardware business, Bicycle and Export business, as Stenographer and correspondent. Understands office work thoroughly; also book-keeping. Export business preferred. Address, K., care HARDWARE, No. 143 Chambers Street, New York.

WANTED position with wholesale Hardware house, or stove manufacturer, as traveling salesman, or grocery house. Have had experience, especially on the road. Best of references furnished. Address M. U. N., care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a practical metal pattern maker. First class on ornamental work, and a good chaser. An expert on cored work. Nine years' experience as foreman, and competent to design and make dies, tools, jigs, etc.; to manufacture specialties in the most economical manner. Reference. Address MECHANIC, care of J. W. Leix, No. 717 Clinton Street, Ottawa, Ill.

THOROUGHLY experienced bookkeeper, correspondent or office man desires position with responsible firm. Best of references. Address J. C. H., P.O. Box 261, Rochester, N. Y.

DESIRED by a practical Hardwareman a permanent position with some live house. Understands thoroughly builders' Hardware and mechanics tools. Salary moderate; reference of the best. Address PRACTICAL, care HARDWARE, No. 143 Chambers Street, New York.

A COMPETENT clerk or salesman; ten years' experience; age, 26 years. Can speak German. Address L. SCHOEN, No. 16 Fourth Avenue, New York City.

POSITION as foreman in a room. Understands how to handle help to the best advantage. Have had experience in hydraulic press work. Thoroughly understands steam, water and hydraulic pump fitting. Address FOREMAN, care HARDWARE, No. 143 Chambers Street, New York.

A TRAVELING salesman with nine years' experience in builders' and general Hardware, desires a position in a wholesale house. Is willing to travel, having traveled through Pennsylvania. Is 28 years old and strictly temperate. References. Address CHARLES JONES, General Delivery Post-office, Philadelphia, Pa.

A MAN of long experiense in the Hardware business desires a position with a manufacturing concern, preferably builders' Hardware; has held position of responsibility and in managerial capacity. Address B. H., care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted.—A salesman well known among the Hardware export, housefurnishing and department store trade is open for engagement. Address H, care of HARDWARE, No. 143 Chambers Street, New York

WANTED a position as stenographer by a lady who has had over five years' experience with a large Hardware jobbing house. Best of references given and required. Address F. E. W., No. 723 Church Street, Lynchburg, Va.

AN A-1 metal pattern maker, experienced in various lines, desires situation. Address PATTERN, care HARDWARE, No. 143 Chambers Street, New York City.

SITUATION wanted.—A practical Hardwareman; been four years with a first-class house as price and discount clerk; a rapid and accurate figurer; a hard worker; references first class. Address DISCOUNT, care HARDWARE, No 143 Chambers Street, New York City.

WANTED—BY young man 29 years of age; has had ten years' experience in wholesale builders' and general Hardware, in or outside position with wholesale or extensive retail store. Address RUSSELL, care HARDWARE, No. 143 Chambers Street, New York.

A GENTLEMAN of good business capacity with executive ability, twenty years in general Hardware, desires a position with some wholesale or manufacturing concern; competent as salesman, buyer or manager; fully acquainted with office duties, the details of a large business and accustomed to handling help. Willing to go anywhere. Satisfactory references. Address F. A. G , P.O. Box 247, New York.

Side Line Wanted.

WANTED—To represent manufacturers of Hardware and woodenware specialties by a man visiting every wholesale Hardware and woodenware house between New York and the Missouri, on salary or commission. Addres 2030 Franklin, care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman wishes one or more good side lines for the New England States. Will start about the 10th of March. Trade visited: Hardware, Harness and Carriage repositories, Clothing stores. A1 references. Address MONITOR, No. 402 Bronson Avenue, Rochester, N. Y.

A WELL-KNOWN firm, representing several factories as New York office, wishes to add at least three good lines either on commission or salary. Address MANUFACTURERS' AGENT, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

SALESMEN calling on the Hardware and drug trade can learn of a profitable side line by addressing F. O. X., care HARDWARE, No. 143 Chambers Street, New York.

WANTED.—Side line, by salesman calling on the Hardware trade. Address M. A. N., care of HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WANTED a Commission House to market in the United States a Hardware Specialty. Address Box 255, Perth, Ont.

SALESMAN wanted who calls on the retail Hardware and drug trade in New York State and Pennsylvania to sell a line of Razors Strops as side line. Address "B," care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN wanted visiting the Hardware trade, to sell a high grade metal polish. Good inducements. Address CROSS, care T. J. Nay & Co., Nos. 18 and 20 Franklin Street, Brooklyn, N. Y.

WANTED—Salesman who goes to the retail Hardware trade through Middle and Southern States, to sell the Akron Spirit Level. Address AKRON LEVEL WORKS, Akron, Ohio.

PARKER'S Folding Bicycle Stand—a good seller and profitable. Address F. HAWLEY, No. 40 Gold Street, New York.

WANTED—Resident agents in all cities outside New England to handle a new household device of sterling merit, that sells at sight when shown in practical operation; large profit. CLIMAX MFG. CO., No. 235 Washington Street, Boston, Mass.

Tools Wanted.

COMPLETE set of new or second-hand Tinners' Tools wanted, Stowe's make preferred; must be cheap. Address J. S. RIDENOUR, Jackson, Ohio.

Store Wanted.

TO BUY—Wanted a Hardware store. Address E. I. P., care A. Seelig, No. 10 Second Avenue, New York.

For Sale.

A CLEAN stock of Hardware and stoves in county seat of best agricultural county in Ohio. Established business. Must give attention to other interests. Address "NORTH," care HARDWARE, No. 143 Chambers Street, New York.

Attention! Hardware Dealers!

WANTED—Hardware dealers who handle bicycles to write us for particulars regarding Norwood Bicycles. HALL & DOWNING, No. 82 West Broadway, New York.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Agency Wanted.

GENTLEMAN with over twenty years' experience in general Hardware, wishes to correspond with some manufacturers with a view of representing them in the South. Address J. W. JOHNSON, Drawer, Birmingham, Ala.

A MAN of fine experience in miscellaneous Hardware, tinware and housefurnishing goods (is now employed), desires to make changes. Wants to represent best houses. Prefers those who seek all available dealers and make prices "F.O.B. destination." Large trade acquaintance in North and South Carolina. Address STRICTLY COMMISSION, care Carrier No. 7, Charleston, S. C.

WANTED by a young man with thirteen years experience, to represent some Horse Shoe or Horse-Shoe Nail Manufacturer or Manufacturers' Agent; can furnish best of reference. Address EXPERIENCE, care HARDWARE, No. 143 Chambers Street, New York.

AMERICAN, 29 years old, experienced in business and a salesman, offers his services in Boston and New England on commission basis to manufacturers producing salable line of goods, and in such a thorough representation will be assured. Address H. C. D., care HARDWARE, No. 143 Chambers Street, New York City.

Rubber Agency Offered.

CYCLE Tires $4 88 pair; best '97's; Durable, Resilient; Full Guarantee. MINERALIZED RUBBER CO., No. 18 Cliff Street, New York.

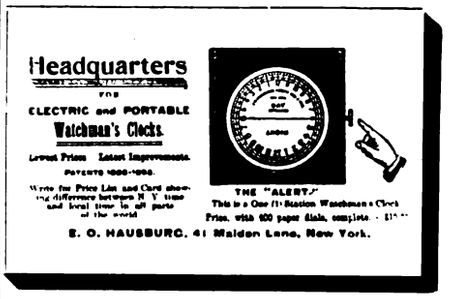
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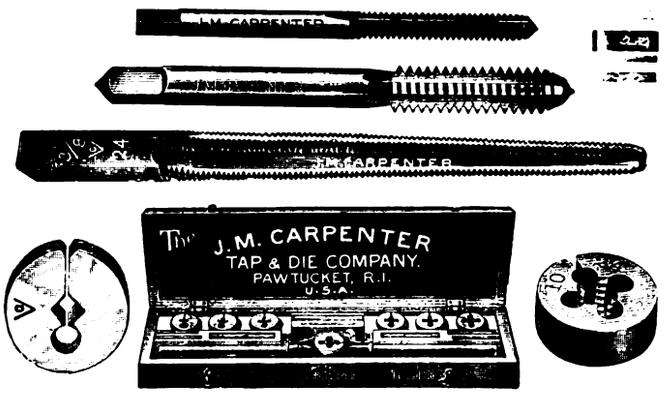


GET OUR PRICES BEFORE ORDERING.

Mention "Hardware."



THE GEO. W. STANLEY CO.,
BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails, Double-Pointed Tacks and Staples.



Send for our **CATALOGUE No. 11 B**, describing
SCREW CUTTING TOOLS
FOR
BICYCLE REPAIR WORK.

BICYCLES

. . . *Manufactured by*

Ames Mfg. Co.
HIGH AND MEDIUM GRADES,
$100, $85, $75, $60.
Send for Catalogue.

ADDRESS

AMES MFG. CO., Chicopee, Mass.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If vou do not, send for illustrated Price List.

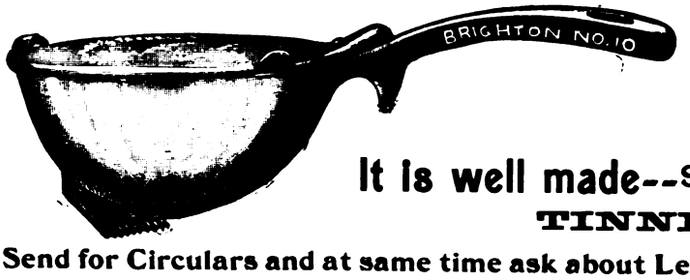
T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c

The Brighton Ice Shredder



MAKES SNOW BALLS.
MAKES COOL DRINKS.

Makes more money for merchants than anything on the market.

It is well made--Steel Knife--Self-Emptying Cover.

TINNED ALL OVER.

Send for Circulars and at same time ask about Lemon Squeezers, Fruit Presses, Ice Goods.

LOGAN & STROBRIDGE IRON CO., - New Brighton, Pa.

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PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—

House Carpenters.....
Ship Carpenters..... 40&12½%
Railroad.....

Ammunition—

CAPS, PERCUSSION—P 1000—

M. C. Co. and Hicks, trimmed edge.....47 @ 50c
U. M. C. Co. and Hicks ground edge.....47 @ 50c
Musket, Waterproof, 1-10's..45 @ 50c
G. D.....28 @ 30c

CARTRIDGES—

Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&5&2%
Cent. Fire, Pistol and Rifle.35&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.10@1.15
B.B. Caps, Con. Ball, Swgd $1.75@1.80

PRIMERS—

Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—

First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....25&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33½&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS, LOADED—

With Black Powder...40&10&10&5%
With Nitro Powd'r.40&10&10&10&5%

GUN WADS—P 1000—

B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 25&5%

SHOT—

Drop Shot, sizes smaller than B, 25-lb bags P bag.....$1.25
Drop Shot, sizes smaller than B, 5-lb bags, P bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, P bag.....$1.50
Drop Shot, B and larger sizes, 5-lb bags, P bag.....$ .35
Buck and Chilled Shot, 25-lb bags, P bag.....$1.50
Buck and Chilled Shot, 5-lb bags, P bag.....$ .35
Dust Shot, 25-lb bags, P bag....$2.00
Dust Shot, 5-lb bags, P bag ....$ .50
Jobbers frequently deduct 5@10 cents P bag.

POWDER—

Laflin & Rand:
Orange Rifle ex., kegs 25 lb $4.00
12½ lb 2.25
6¼ lb 1.35
Orange, Special, kegs 25 lb 5.00
12½ lb 2.75
6¼ lb 1.50
Orange Ducking, kegs ..6¼ lb 2.25
[For 1000 lb lots 10% discount.
Blasting and Mining, A. 25 lb 2.25
Blasting and Mining, B. 25 lb 1.50
Laflin & Rand W.-A. Smokeless:
Sing e Canisters.....$1.00
10 Can Drums.....$9.00
Discounts on application.

CANISTER POWDER—

E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .35
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12

KEG POWDER—

Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 4.00
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.25
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 4.00
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 2.25
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.25
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 5.00
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.75
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.50
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50
Du Pont Sporting Powder, for lots 1000 lb 10% discount;
Du Pont Smokeless Powder:
Kegs, equal in bulk, to 25 lb Black Powder.....$22.00
Half Kegs, equal in bulk to 12½ lb Black Powder..... 11.25
Quarter Kegs, equal in bulk to 6¼ lb Black Powder..... 5.75
Canisters, equal in bulk to 1 lb Black Powder..... 1.00
Discounts on application.

HARD GRAIN SMOKELESS—

Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

TARGETS AND TRAPS, INANIMATE—

Cleveland Target Co.:
Blue Rocks P 1000 .....$5.50
Expert Traps, each.....$5.50
Extension Traps, each.....$4.00

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....P doz. $3.50
Galien Safety.....P doz. $3.75
Hartman's Pivot.....P doz. $4.75
Iowa Farming Tool Co.:
Hawkeye.....P doz $3.25
Western.....P doz. $3.75

Anvils—

American "Horse-Shoe"...9½@9¾c
Armitage's Mouse Hole....8¾@9¼c
Eagle Anvils, P lb 9c.....15@15&5%
Hay-Budden, Wrought.....8¼@8¾c
Peter Wright's.....9¾@10¼c
Samson.....8¼@9c
Trenton.....8½@9c

ANVIL AND VISE COMBINED—

Cheney Anvil and Vise.....40%
Holt's.....40@40&10%
Millers Falls (with drill) $18.00..20%

Augers and Bits—

Boring Machine .....70&10@75%
Cincinnati Tool Co.:
Bell hangers' bit.....40%
Brace twist drills for metals. 50&5@50&10%
Brace twist drills for wood, 40&5@40&10%
Screw and plug.....35&10&10%
Cleveland Wood Bits for Brace, Style A, No. 114.....50&5%
Common.....70&10@75%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Forstner Pat. Bits.....25%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
Nobles Double Spur, No. 33.70&10%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Pat. Car Bits, No. 10.....40%
Pat. Car Bits No. 30.....60%
Ring Augers.....70&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Russell Jennings' Augers and Bits, 25&10&2½%

HOLLOW AUGERS—

Bonney's Adjustable, No. 4, $34.00, 20%
Cincinnati Adjustable.....25&10%
Cincinnati Standard.....25&10%
Douglass'.....33⅓@33⅓&10%
Ives.....33⅓@33⅓&10%
Millers Falls, Goodell....15&7½&10%
Universal, each $4.50.....20%

EXPANSIVE BITS—

C. E. Jennings & Co.....33⅓%
Cincinnati.....25&10&10%
Clark's small, $18.00.....45%
Clarks' Large, $36.00.....45%
Ives' Model, P doz. $60....50@50&10%
Steer's No. 1, $22; 2, $18.....40%
Stearns' No. 2. $48.....20%
Swan's.....40@40&10%

GIMLET BITS—

Diamond P doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 50&10%
Double Cut, Common, P gro. $2.75 @$3.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ladds'.....70%
C. E. Jenning & Co.:
Double Cut.....70%
German.....50%

BIT STOCK DRILLS—

Cincinnati Tool Co., for wood.40@ 40&10%
Cleveland Wood Bits for Brace 50&5%
Syracuse, for wood.....40%

TWIST DRILLS—

Cleveland.....60&5@60&10%
Morse Twist Drills.....60&5@60&10%
New Process.....60&5@60&10%
Standard.....60&5@60&10%
Syracuse.....60&5@60&10%

SHIP AUGERS AND BITS—

L'Hommedieu's.....15&10%
Snell's.....30&10@40%
Watrous'.....40%

Awls—

Dunlap's Brad.....25%
Dunlap's Handled.....25%
Handled Brad, P gr.....$3 00@3.25
H'ld Scratch P gr.....$3.75@4.00
Pat. Peg P gr.....33@35c
Sewing, Com.....P gro. 85c@$1.00
Should. Peg P gr.....$1.35@1.45
Shouldered Brad. P gr...$1.50@1.65
Socket Scratch P doz....$1.00@1.10
Stanley Rule & Level
Handled Brad.....40&10%
Patent Pegging.....50&10%

Awl and Tool Sets—

Aiken's Awls and Tools:
No. 10 P doz. $7.50; No. 20, P doz. $10.....60&10@60&10&5%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $13; 3, $12; 4, $9; 5, $7.....50%
Ice Awls.....55%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $13; 4, $12; 5, $13.. 15@15&10%
C. E. Jennings & Co.'s Adjustable Tool Handle, No. 10, $3.50; 45, $4.50; 65, $6 00; 75, $9.00; 175 $10.00 P dozen net

Axes—

First quality, best brands. $5 00@5.25
First quality, other " $4.50@4.75
Beveled add 50c P doz.

AXES, HANDLED—

Peck's:
Champion Blade...per doz., $12.00
Empire.....per doz., $9.00
Firemans'.....per doz., $25.00

HATCHETS—

Collins.....10%
Findlay Axe & Tool Co...50@50&10%
Hunt's, Underhill's or Blood's... 50@50&10%
Peck's:
Champion Blade.....45%
Empire Brand.....50&10%
Fayette R. Plumb:
Broad, Now List.....40&12½%
Lathing.....50%
Shingling.....50%
Warehouse.....40&12½%
Vulcan Tool Co.....60%

Balances—

Chat llon's:
No. 2000 20 30
P doz. 75c 85c $1.65 net
Circular Balances.....60%
Straight Balances.....50%
Circular Spring Balances.50&10@60%
Common 2½ lb. .....P doz. 80c net.
Ice.....50&10%
Straight Spring balances.50&10@60%

Barrel Drainers—

National.....30%

Beef Shavers—

Enterprise:
Japanned, each, $6.50.....35%
Tinned, each, $7.50.....20%

Bells—

HAND—

Extra Heavy Brass.....65&10%
Light Brass.....70&10%
Globe (Cone's Patent).....40%
Silver Chime.....40%
White Metal.....65&10%

DOOR—

Crank, Cone's.....10%
Gong, Abbe's.....40@40&10%
Gong, Barton's.....40&10@50%
Gong, Yankee.....55&10%
Lever, R. & E. Mfg. Co.'s.60@60&10%
Multi-Stroke.....50%
New Departure.....45@50%

COW—

Common Wrought.....60&10%
Dodge, Genuine Kentucky 70@70&10%
Kentucky, Sargent's List.....75%
Texas Star.....50&10%
Western, Sargent's list.....75%

Bellows—

Blacksmith's.....70@70&10%
Hand.....50&5@50&10&5%
Moulders.....50&5@50&10&5%

Belting, Rubber—

Boston Belting Co.:
"Boston".....50&10&5%
"Imperial," seamless, stitched 40&10%
Cleveland Rubber Co.:
Buckeye.....60&10%
Shield High Grade.....50&10%
War. 2 XL.....40%
Common Standard.75&10@75&10&5%
Extra.....60&10&5@70%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Standard.....70&10@75%

Bench Stops—

Cincinnati.....25&10%
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..P doz. $5. 10@10&10%
Terrell's No. 1 and 2, $3; No. 3, $3.00 P doz.....20%
Millers Falls.....15&10%

Bit Holders—

Angular.....40&5%
Extension:
Barber's, P doz. $15.00.....45%
Ives' P doz. $20.60.60&10@60&10&5%

Blind Adjusters—

Domestic..P doz. $2..33⅓@33⅓&10%
Excelsior..P doz. $10.00....50&10&5%
N rth's.....10%
Zimmerman's.....50&10@50&10&10%

Blind Fastenings and Tenons—

Austin & Eddy P gro. sets.....$5.50
Gorhams Improved Star Tenon P gro. $1.00.....35%
Merriman's Brass Lever P gr. $15.00
Merriman's Iron Lever P gr...$9.00
Millers Falls P set $1.00.....15&10%
Security Gravity P gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate P gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel.60&10@70%
Com. Jap'd Sheaves...70&5@70&10%
Lanes:
Junior, Self Sustaining.....30%
Pat. Automatic.....30%
Perfect Safety.....30%

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Regular Iron Strapped Blocks 70&5@70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c.....70%
Cast Iron Chain.....50&10%
Cast Iron Shutter Bolts.....70%
Ives' Patent Door Bolts...60&10&5@60&10&10%
Wrought Barrel.....75@75&10%
Wrought Square..70&10@70&10&10%
Wr't Shutter, Standard list.....70%
Wr't Shutter, Sargent's list.....70%
Wr't Sunk Flush, Sargent's list. 50&10@50&10&10%
Wr't Sunk Flush, Stanley's list 50&10@50&10&5%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&5%
Window Spring.....75%
Window Spring Bolt Socket.....70%

CARRIAGE, MACHINE, &C.—

Bolt Ends.....80@80&5%
Machine.....75&10@80%
Carriage, Common.....75&5@75&10%
Norway Iron, list Oct '84..80&10@80&15%
Phila., Eagle, list $3.00.....85%
R. B. & W., $2.40 list.....70%

TIRE—

American Screw Co.:
Bay State, Plain list Feb. 26, '96, 75&10%
Bay State, Fluted.....80%
Eagle Phila., list Feb. 26, '96....85%
Norway, Phila., list Feb. 26, '96.80%
Common, list Feb. 28, '88..75@75&10%
Eagle.....85%
R. B. & W., list Oct. 18, '84.....80%

STOVE AND PLOW—

Plow.....60&10&10@70%
R. B. & W., Plow.....65%
Stove.....75&10%

MISCELLANEOUS—

Sink.....75&10%
Sleigh Shoe.....85%

Bone Mills—

Enterprise.....20%

Borers, Tap—

Common and Ring.....20&10@35%
Enterprise, No. 1, $1.50; 2, $2.00; 3, $3.00 each
Ives'.....33⅓&5%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'	$2.50	$2.00
Jennings'	2.50	$2.00
Millers Falls	7.50	15&10%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	7.50
Snell's, Rice's Pat.	2.50	$2.75

Bow Pins—

1¼ inch, ₩ gro.....$4.50@$5.00
2 inch, ₩ gro.....$5.00@$5.50

Boxes, Mail—

Heller's.....40&5%

Braces—

Barber's.....50&10@60&10%
Barber's Ratchet.....60@60&10%
Bartholomew's:
Nos. 25, 27 and 30.....7@75%
Nos. 117, 118, 119.....70&10%
Common Ball American..$1.10@$1.20
Ives':
Barbers'.....60&5%
Barber Ratchet.....60@60&10%
New Haven Novelty....70@70&10%
New Haven Ratchet.60&10@60&10&10%
Spofford.....60&5@60&10%
C. E. Jennings & Co.:
No 108@114½.....60&10%
No. 208¼@214½.....60%
Peck's (P. S. & W. Co.)....60@60&10%
Gen. Spofford's.....50&10&5%

Brackets—

Door Screen.....70&10%
Moore's.....70&5%
Shelf, Bradley's Patent.....8%
Shelf, Plain, Regular list.....70&10%
Shelf, Fancy, Sargent's list.60&10@60&10&5%
Window Screen Corner.....70&10%
Reading, plain.....7½
Reading, Rosette.....70%

Bright Wire Goods—

Standard list.....85@85&10%

Bull Rings—

Humason, Beckley & Co.'s, 80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%
Sargent's.....60@60&10%
Seymour Smith & Sons.....60%

Butcher's Cleavers—

Beatty's.....40&5@40&10%
Bradley's.....40@40%
Dunlap's Family.....25%
Foster Bros. Flat Hds.....30%
Foster Bros. Round Hds.....40%
L. & L. J. White.....25%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%

Bung Hole Borers—

Enterprise.....25%
C. E. Jennings & Co.:
No. 6.....40%
No. 10.....30%

Butter and Cheese Triers—

Ordinary Black Handle.....25%

Butt and Rabbet Gauges—

Stanley's.....25&10%

Butts—

BRASS—

Cast Brass, Fast Joint....40@40&10%
Cast Brass, Ice House.....40%
Cast Brass, Loose Joint...40@40&10%
Wrought Brass, List Sept. '96.40@40&10%

CAST IRON—

Loose Joint.....75@75&5%
Loose Joint, Japanned.....75@75&5%
Loose Joint, Jap. with Acorns, 75@75&5%
Loose Pin.....75@75&5%
Mayer's Hinges.....75@75&5%
Parliament Butts.....75@75&5%
Sargent's:
Fast Joint, Broad.....60&10%
Fast Joint, Narrow, ...60@60&10%

WROUGHT STEEL—

List, April 1, 1895.
Bronzed Inside Blind Butts.50&10@50&10&5%
Bronzed, Narrow.....
Fast Joint, Narrow.....
Fast Joint, Light Narrow.....
Fast Joint, Broad.....
Loose Joint.....
Loose Pin.....
Table Butts, Back Flaps, etc..
} 75%

Can Openers—

American.....₩ gross $1.75@$1.90
Champion, ₩ doz. $3.00.....50%
Columbian.....₩ gro. $14.40
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Dunlap's Wood Handle No.2$1.75.25%
Goodell's Acme, ₩ gr. $3.00; ₩ doz.75c
No. 5, Iron Handle, ₩ gr....$2.00@2 25
Sardine Scissors..₩ doz. $2.00@2 25
Sprague, No. 1, $2 00; No. 2, $2.25; No. 3, $2 50.....70%
Universal, ₩ doz. $3.00.....55&5%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%

Cards—

Cotton.....25@25%
Horse and Curry.....20@25%
Wool.....20@25%

Carpet Stretchers—

Bullard's.....33⅓%
Cast Iron Steel Points, ₩ doz.75@...
Cast Steel, Polished....₩ doz. $3.25
Dunlap's.....25%
Excelsior.....25%
Socket.....₩ doz. $1.75

Carpet Sweepers—

Bissell's:
Gold Medal..
Grand.....
Grand Rapids.
Hall.....
Prize.....
Premier.....
Superior.....
} Cycling Bearings ₩ doz. $27.00
₩ doz. $36.00
₩ doz. $24.00
₩ doz. $30.00
₩ doz. $27.00
₩ doz. $27.00
₩ doz. $27.00
Crown Jewel, japan finish, ₩ doz $19.00
Crown Jewel, silver bronze trimmings, ₩ doz.....$20.00
Crown Jewel, nickel, ₩ doz. $31.00
Furniture Protector, Japan.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Parlor Queen, Jap....₩ doz. $24.00
Parlor Queen, Nickel, ₩ doz. $27.00
Standard.....₩ doz. $24.00
Lots of 5 dozen $1.00 per doz. less.

TOY LINE—

Baby.....₩ doz. $2.50
Child's.....₩ doz. $3.00
Little Jewel.....₩ doz. $7 00
Little Queen.....₩ doz. $4.00
Miscellaneous.....₩ p. z. $9. 0
Lots of 5 dozen $1.00 ₩ doz. less.

Casters—

Bed.....60&10&10@70%
Deep Socket.....60@ 0&10 0%
Giant Truck Casters.....35%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%
Martin's Patent(Phoenix). 60@60&5%
Plate.....60&10&10@70%
Socket Truck Casters..45&10@55&10&10%
Stationary Truck Casters.....50&10%
Store Truck.....55%
Swivel Truck.....60&10&10%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50&5%
Yale Gem.....70&10&5%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@70&10&10%
Peck, Stow & W. Co.....66⅔%
Sargent's.....70&10@70&10&10%

COW TIES—

American.....60&10%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%
Triumph.....33⅓%

Chain—

American Coil, Ass'n base prices
3-16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾
$6.85 5.35 4.25 3.65 3.50 3.35 3.15 3.05
Covert Saddlery Works:
Breast Chain.....60&20%
Hitching Chain.....6 &30%
Rein Chain.....60&20%
Covert Mfg. Co. Chains.....45%
Covert's Halter Chains.....45&25%
Covert's Heel Chains.....45&25%
Galvanized Pump Chain, with Buckets.....5@5½c
German Coil.....60&10@70%
German Halter Chain....60&10@7 %
Jack Chain, Iron.....70@70&5%
Jack Chain, Brass.....70@70&5%
Oneida Halter Chain.....60@60&10%
Plumbers.....60%
Trace, Wagon and Fancy Chains, 60&10@60&10&10%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

Buck Bros.....30%
Charles Buck.....30%
Douglass.....75@75&10%
Hinsdale.....
Mix.....
Ohio Tool Co.....
P. S. & W.....
Sag Harbor Tool Co.....
Swan.....
Winsted Edge Tool Co.....
} 75&10&5%
C. E. Jennings & Co. No 70....25&10%
Jennings & Griffin Mfg. Co....75&5%
Merrill & Wilder.....60&10%

TANGED AND MISCELLANEOUS—

Buck Bros.....60&10%
Butchers'.....30%
Butchers'.....$4.75@$5.00 to £
Cold Chisels, good quality, ₩ lb 14c@16c
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges.....40&10%
Spear & Jackson's.....$5 to £
Tanged Firmers'.....50@50&10%

Chucks—

Beach Pat....each 3.00.....30%
Cushman's:
Combination.....40%
Independent.....40%
Morse's Adjustable, each $7.00...25%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....40%
Skinner's Pat. Comb. Chuck.....40%
Union Mfg. Co.:
Combination.....40%
Independent.....40%
Universal.....40%
Victor, No 1, $3.50; No. 2, $12.50.25%

Clamps—

Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearns'....30@30&10%
Cabinet Makers, Sargent's...45&10%
Carpenters', Cincinnati...25&10%
Carriage Makers', Sargent's..50&10@50&10&5%
Carriage Makers' P. S. & W. Co..40&10%
R. I. Tool Co.'s Wrought Iron....25%
Smith's:
Eccentric.....25%
Splicing.....25%
Splicing Tools.....15%
Warner's.....40&10@40&10&5%

Cleaners, Sidewalk—

Challenge Shank.....₩ doz. $3 25
Star Shank.....₩ doz. $2.50
Star Socket.....₩ doz. $3.75

Clips—

Norway Axle.....70@70&10%
Norway Spring Bar Clips.70@70&10%
Superior Axle Clips.....70&10@75%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....25%
National.....30
The Swift, Lane Bros.....33⅓%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%

Compasses, Dividers, &c.—

Athol Calipers and Dividers.....4 %
Bemis & Call Co.'s:
Compasses.....50&5%
Dividers.....60%
Compasses, Calipers, Dividers. 70@70&10%
Wm. Johnson's:
Extension Dividers.....40%
Inside, Outside and Double.....70%
Registering.....50%
Wing Calipers.....70%
Wing Dividers.....75%
Stevens's "Ideal".....35&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...35&10%
Wright's Graduating.....15%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
Beatty's.....33⅓%
L. & L. J. White.....20@20&5%
Sandusky Tool Co.....25&10@20&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....40%
Humason & Beckley Mfg Co. 40& 10@50%
Samson.....₩ doz $10.00
Williamson's.....40%

Corn Hooks—

Kretsinger Cut-Easy, ₩ doz. $3.00 net

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....35@35&10%

Counter Sinks—

Adjustable.....20%
Counte sink Bits.....40&10%
Shepardson's Diamond.....40@45%
Smith's.....25%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....₩ gro. $3.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—

Fitch's, List Nov. 20, '96.....25&10%
Perfect.....20&10%
Rubber, ₩ doz. $7.50....20@20&10%
Southington Cutlery Co.'s List, Nov. '95.....25&10%

Cycle Hangers—

Lane's.....33⅓&5%

Diggers—

See Post Hole, etc.

Dog Collars—

Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)..50&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%
Medford Fancy Goods Co. list..40& 10@50%
Union Hardware Co. New List. 50&50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete, $9 50&10%
Thaxter Electric Lock, list....$35.00

Door Springs—

Champion (Coil)...50&10@50&10&10%
Foster's (Coil).....30%
Gem (Coil), list Oct. '95.....25%
Rubber, complete, ₩ doz. $5.50. 66⅔&70%
Star (Coil), list Oct. '95.... 3½&10%
Torrey's Rod, 30 in, ₩ doz $1 20@1.25
Victor, Coil.....60&10@60&10&5%
Warner's.....60@55&10%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Adjustable Handle.....40@40&10%
Bradley's.....35%
Douglass.....75@75&10%
Jennings & Griffin.....75&5%
Merrill & Wilder.....60&10%
Mix.....
New Haven.....
P. S. & W.....
Witherby.....
} 75&10&5%
Watrous.....30@30&10%
L. & L. J. White.....2.25&5@25%
Wilkinson's Folding.....35@35&5%

Drills and Drill Stocks—

Automatic Boring Tools..$1.75@1.85
Blacksmiths'.....each $1.75
Breast, Bartholomew's No. 12, ₩ doz.....$16.00
Breast, Millers Falls, each $3.00 15&10%
Breast, P. S. & W.....60&10%

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Breast, Wilson's.....30&5%
Graves Drill Stocks.....40%
Ratchet, Billings' Dble. Acting..33⅓%
Ratchet, Ingersoll's.....25%
Ratchet, Merrill's.....20@30&5%
Ratchet, Moore's Triple Act..25@30%
Ratchet, Parker's.....40%
Ratchet, Whitney's.....30&10%
Ratchet, Weston's.....20@25%
Stearns' Bench.....50@50&10%
Whitney's Hand Drill, No. 1, $10.00:
Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

Dover (Standard Co.) No. 10 ₩ gro. $9.50
Dover Extra Heavy (Standard Co.) No. 15.....₩ gro. $21.00
Paine, Diehl & Co.'s Keystone..33⅓c
Spiral.....₩ gro. $4.75@$4.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$3.00 each, less 50%
Annunciators, $1.50 ₩ drop less 50%
Batteries, Leclanche...80c. each, less 50%
Batteries, Carbon..6⅔c. ea., less 50%
Batteries, Medical, $8.50 ea., less 50%
Batteries, Dry.....50c. ea., less 50%
Bells, Electric, 2¼, 50c. ea., less 60%
Call Bell Outfit, Electric...$3.00 each, less 50%
Desk Pushes Electric..30c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Risers' Set, Electric..$3.50 each, less 50%
Floor Pushes, Electric....6⅔c. ea., less 50%
Gas Burners, Electric....5⅔c. ea., less 50%
Gravity Batteries, $1.00 ea.. less 50%
Hydrometers....75c. each, less 50%
Incandescent Lamps..40c. each, less 50%
Induction Coils, Telephone..6⅔c. each less 50%
Lead Covered Wire No. 18, No. 16, No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Push Buttons, Wood..10c. each, less 50%
Sal Ammoniac...18c. ₩ lb., less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt....24c. each, less 50%
Switches, 3 pt....28c. each, less 50%
Spark Coils, 8 pt..$3.00 ea., less 50%
Spark Coils, 10 pt $4.40 ea., less 50%
Spark Coils, 12 pt.....$3.80 each, less 50%
Tape, Insulating, 8⅓c. ₩ lb. less 60%
Tube, Speaking, $31.00 ₩ 1,000 ft. less 50%
Whistles, Speaking Tube, N. P., 2.40 ₩ doz., less 50%
Whistles, Speaking Tube, Porcelain.....75c ₩ doz., less 50%
Wire Winders, $10.00 each, less 50%
Window Springs, Electric...24c. each, less 50%
Yale Lock Switch, Electric, $3.50 each, less 50%
Zincs, Leclanche...04c. ea., less 50%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF F FF.
Kegs, ₩ lb..4½c	5c	3c	
½ kegs, ₩ lb.4½c	5½c	3½c	
¼ kegs, ₩ lb. 5c	5½c	3½c	
10 lb cans, 10 in case.... 6c	6½c	5½c	
10 lb cans, less than 10.. 10c	10c	6c	

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Brass Thread.....60@60&10%
Wood.....25%

Escutcheon Pins—

Brass.....70@70&10%
Iron, list January, 1890.....60@60&5%

Farriers Knives—

"Challenge".....₩ doz. $2.00
Popes.....₩ doz. $2.00
Wilkinson's.....₩ doz. $3.00

Faucets—

Brass Globe Cocks.....60&10%
Brass Racking.....60&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Bohren's Pat. Rubber Ball.....25%
Penn's Cork Stops.....6%
Perry's Pat. Petroleum..60&10&7%
John Sommer's Boss Tin Key....50%
John Sommer's Chicago Cork lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Cedar (in bbls.) 50&10%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....50%
John Sommer's No Brand Metal Key.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.40%
John Sommer's Peerless Tin Key.40%
John Sommer's Reliable Cork Lined.....60%
John Sommer's W. P. Metal Key.40%
Star.....60@60&5%
Self-Measuring:
Enterprise ₩ doz. $36.00.....40%
Lane's ₩ doz. $36.00.....40%
National Specialty Mfg. Co....40%

Fibreware—

Standard Fibre-ware Co.

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Buggy Pails, 7 in. high.	2.60		
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt.	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)	1.40	1.70	2.00
Cuspidors, 9x7½ inches, (anti-tip-over)	5.50	6.50	7.00
Dairy Pails, 14 qt.	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire"	3.40		
Fruit Bowls	1.20	1.70	2.00
Keelers, 11½ inch	2.30	2.80	3.10
Milk Pans	1.50	2.00	2.30
Mats, 8½ inch (for table use)	.50	1.00	1.20
Mats, 15 inch (for cuspidores, etc.	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc).	2.30	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc).	3.00	3.70	4.30
Prison Pails, 16 qt. (with cover)	6.50		
Pitchers, 10½ in. high.	4.00	4.70	5.20
Peck Measures	2.80		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt.	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Spittoons, Daisy, 8½ in. (detachable covers)	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers)	3.60	4.50	5.00
Spittoons, 13 in. (detachable covers)	4.00	4.80	5.20
Water Pails, 13 qt.	$3.00	$3.50	$4.00
Waste Paper Jars	3.00	4.00	4.50
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2.10
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in.. (or Wash Bowls	2.30	2.90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4.00

Files—

DOMESTIC—

American.....75%
Arcade.....70%
Great Western.....70%
Kearney & Foot.....70&10@75%
Nicholson.....70%
Nicholson's X. F. Files.....33⅓%
Second Quality Files.....80@80&10%
Tiger.....75%
Troy File Works:
Files.....70&10%
Rasps.....70%
Victor.....75&10%

IMPORTED—

Stubs.....Stubs' list, 25@30%

Filters—

Seed's Water Filters:
A 1, $4.00 No. 2, $3.50 No. 3, $1.50 No. 4, $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....60&20%

Fluting Scissors—

List.....45%

Forks—

Champion, Hay, Manure, etc 75&15%
Columbia, Hay.....75&10%
Columbia, Manure.....8%
Columbia, Spading.....80&5%
Hay.....75%
Iowa Farming Tool Co.:
Barley.....60&40%
Manure, 4 tine.....75&10&2½%
Manure, 5 and 6 tine.....70&20&5%
Spading.....75&10&2%
Victor, Hay.....75&10%
Victor, Manure and Header.....80%

Freezers, Ice Cream—

Blizzard.....net
Gem.....net
Granite State.....net
Improved Arctic.....net
Keystone, P. D. & Co.....20%
Ohio.....60&10%
Packer's:
Confectioner's Machine.....net
Double Action Standard.....net
Good Luck.....net
Standard.....net
Shepard's Lightning.....net
White Mountain.....net

Fry Pans—

Acme Fry Pans.....70&10%
Polished, regular goods...75@75&10%
Standard List.....75&10@80%

No.	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
₩ doz.	$6.00	$7.00	$8.00	$9.00	

Gas Lighting Burners—

Gem.....₩ doz. $2.50
In lots of 3 doz.....₩ doz. $2.25

Gauges—

Bemis & Call's Steel.....50%
Boss, Screw Pitch.....33⅓%
Clapboard.....20%
Marking, Mortise, &c..60&10@60&10&10%
Stanley's.....60&10%
Stanley's Chisel.....25%
Starrett's Surface, Center and Scratch.....25&10%
Copeland Champion Bit ₩ doz $2.00 net
Stubs' Wire and Drill.....20%
Wire, Morse's.....25%
Wire, P. S. & W., low list.....10&10%
Wire, Wheeler, Madden & Co....10%

Gimlets—

"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%
"Diamond" Gimlets ₩ gr. $4.00@4.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%
"Eureka" Gimlets.60&10@60&10&5%
Metal head.....55%
Nail Gimlets:
Assorted 1, 2 and 3.....₩ gr. $1.50
Assorted 2 and 3.....₩ gr. $1.70
Pod.....50%
Star.....50%
Spike Gimlets:
Assorted 1, 2 and 3.....₩ gr. $3.00
Assorted 2 and 3.....₩ gr. $3.25
Wood head.....50&10%

Glue—

Dodd's Liquid Glue.....25&25&10%
Le Pages Liquid.....25&25&10%

Glue Pots—

Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....60%
Enameled.....45@50%
Tinned.....4@50%

Graters—

Enterprise.....25%

Grindstone Fixtures—

Howard Iron Co.....30%
Moore's.....55&10%
P., S. & W. Co.....60&10&5%
Russell & Erwin.....70&10%
Sargent's Patent..70&10@70&10&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
'96 List.....60&20%
Upson & Wooding.....40%
Wright's Animal Tether.....30%

Hammers—

HANDLED HAMMERS—

Atha Tool Co.....5⅞&10@60%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&10%
C. Hammond & Son. List..40&10@50%
Humason & Beckley.....50@50&10%
Dunlap's Patent.....25%
Magnetic Tack, Nos. 1, 2, 3, $1.25. 1.50&1.75.....40&10%
Maydole's.....33⅓&5@40&5&5%
Peck, Stow & Wilcox.....40@40&5%
Fayette R. Plumb:
Artisan's Choice, A. E. Nail 40&12½%
Engineers & B. S. Hand....0&15%
Y. & P., A. E. Nail.....40&12½%
Other Brands.....50&10@60%
Sargent's New List.....45@50%
Verree.....50&10@60%
Warner & Nobles New List..25&10%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb...₩ lb 4½c
3 to 5 lb.....₩ lb 3½c } 75@75&10%
Over 5 lb.....₩ lb 3½c
Wilkinson's Smiths....9½c@10c ₩ lb

Hammock Ropes—

Covert Mfg. Co.....45%
Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—

Chest Handles, Sargent's..50&10@50&10&10%
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.08	1.35	1.50

50&10@60%
Drawer Handles.....60%
Ring Handles.....70%
Roggin's Latches.....50&10@60%
Shelf Box Handles.....65%
Trunk Handles.....60%
Tub Handles.....60&10%

STORE DOOR HANDLES—

Bronzed, with Cylinder Lock....50%
Bronzed.....60&10@66⅔%
Japanned, with Nuts.....$1.65
Japanned, with Plate.....$1.10
Japanned, without Plate.....80c

DOOR PULL—

Bar.....60@60&10%
Barn Door.....50&10%
Chest and Lifting.....60@60&10%
Drawer Pulls.....50&10@60%
Plain B. M.....60@60&10%
Push Plates, Sargent's List..60@60&10%
Sash Pull Plates.....70&10%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%

WOOD—

Auger, assorted.....₩ gr. $2.25@2.50
Auger, large.....₩ gr. $3.00@3.25
Auger, Douglass', Pat. ₩ set, No. 1, $1.00; No. 2, $1.40
Auger Ives', Pat. No. 1, 60&10% No. 2 to 3¾.....40%
Auger, Swan's, Pat. ₩ set, No. 3, $1.00; No. 4, $1.25.....25&10%
Brad Awl.....₩ gr. $1.75@2.00
Chisel Worcester Leather Cap'd 1.50
File, assorted.....₩ gr. $1.25@1.40
Firmer Chisel, Apple ass'd ₩ gr. $2.25@2.50
Firmer Chisel, Apple large ₩ gr. $3.75@3.00
Firmer Chisel, Hickory ass'd ₩ gr. $2.00@2.25
Firmer Chisel, Hickory, large, ₩ gr. $2.50@2.75
Firmer Chisel, Socket ass'd ₩ gr. $2.00@2.25
Hammer, Hatchet, Axe, Sledge, etc.....50&25
Hoe, Rake and Fork 60&10@60&10&5%
Saw and Plane.....40&10@50%
Shovel and Spade, Wood D Hdle. 60@60&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern...60&10@60&10&10%
Barn Door, New England.70@70&10%
Barry, $6.00.....50&10%
Best Anti-Friction.60&10@60&10&5%
Challenge, Barn Door.....50%
Climax Anti-Friction.....55%
Cronk's Roller Bearing, No. 4, $18.00; No. 5, $36.00....60&10&10%
Cronk's Steel cov'd Loose Axle, 60&10&10%
Davis Parlor Door.....50@50&5%
Duplex (Wood Track).....60&10&5%
Kidder's.....60@60&10%
Lanes Barn Door:
Covered.....60&10%
No. 50.....60&5%
New Model.....40&10%
Parlor, Standard.....60&10%
Standard.....60&10%
McKinney's "None Better," No 2, $18.00; No. 1 Special, $14.00 ₩ dozen pairs.....60&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....50%
Reed's Steel Arm.....50%
Rider & Wooster, No. 1, 66⅔c.; No. 2, 75c.....40%
Richards' Single Track, Steel.50&10%
Star.....50&10&10%
Stearns' Challenge.....50@50&5%
Sterling's Impr'd.60&10@60&10&10%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
The Boss.....60&10@60&10&5%
Universal Anti-Friction.....40%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4, $35.00.60&10&2½%
Warner's Pat.....20&10&10%
Wild West, 4 in. Wheel.....50%
Zenith for Wood Track.....55%

Harness Snaps—

See Snaps.

Hasps and Staples—

McKinney's "Perfect," $1.10 ₩ doz.....40&10%
Wrought.....65&10@65&10&5%

Hatchets—

See Axes.

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Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Auburn Hay, Com. and Spear Point 50%
Auburn Straw 40%
Lightning, from jobbers $6.00@$6.85
Wadsworth's ..... 40&5@40&7½%

Hedge Shears—

Wm. Wilkinson & Sons 50%

Hinges—

WROUGHT IRON HINGES—

Corrugated Strap and T..77@75&5%
Rolled Blind Hinges Nos. 33 and 34 50&10@50&10&5%
Rolled Plate, Rolled Raised ..... 70&10@70&10&5%
Plate Hinges "Providence" 6 to 12 in. ₩ lb., 5c. 14 to 36 in. ₩ lb., 4c.
Screw Hook and Strap. 6 to 12 in., ₩ lb. 2½c; 14 to 20 in., ₩ lb. 2¾c; 22 to 36 in., ₩ lb. 3 c
Strap and T ..... 75@75&5%

SPRING HINGES—

Acme ..... 30@10%
American 30%
Bommer's 40%
Bardsley's Patent Checking 15%
Chicago 30%
Crown 30%
Champion 60%
Devore's No. 1 ..... ₩ gr. $13.00
Geer's Spring and Blank Butts 40%
Gem ..... 30&10%
Kell's American 30%
Matchless No. 10 ..... 70%
New Idea, No. 1, ₩ gro $7.50
New Idea, No. 2, ₩ gro $18.00
Oxford ..... 30&10%
Rex ..... ₩ gr. $13.00
Royal Japanned 66⅔%
Rubber 66⅔%
Sargent's List 1894:
Bronze Metal ..... 75&10%
Japanned Surface, Single ..... 70&10%
Japanned Surface, Double ..... 60&10%
Mortise 55%
Model ..... 70@70&10&10%
Tuscan Surface, Single 70%
Tuscan Surface, Double 70%
Vigilant ..... 50&10@50&10&10%
Union Spring Hinge Co.'s list, March, 1894 ..... 30%
Union Mfg. Co 25%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $13.00

GATE HINGES—

Automatic ..... ₩ doz $12.50, 50%
Common Sense ..... ₩ doz pair $4.50, 50%
Clark's Nos. 1, 2, 3 ..... 70&10&5%
Long's Self Closing 50%
N. E. ..... ₩ doz $7.80 ..... 60@60&10%
N. E. Reversible ..... ₩ doz $5.60 60@60&10%
N. Y. State ..... ₩ doz $4.90 ..... 60@60&10%
Reed's Latch and Hinges ..... ₩ doz $13.00, 50%
Seymour's ..... 45&10%
Shepard's Nos. 1, 2, 3..60&10@60&10&5%
Western, ₩ doz $4.20 ..... 60@60&10%

BLIND HINGES—

Clark's:
Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3 ..... 80&10%
Mortise Gravity 50%
Nos. 1, 3, 5 ..... 80&10%
Nos. 40 and 50 ..... 80%
Huffer 65%
Parker ..... 75@75&10%
Sargent's Nos. 1, 2, 5, 11, 12 ..... 75@75&10%
Shepard's:
Buffalo ..... 80&10&5%
Clark's "Victor" ..... 80@80&10%
Niagara ..... 80&10%
Noiseless 80%
O. S. Lull & Porter ..... 80&10&5%
Stanley's Steel Gravity Blind Hinges, ₩ doz. sets $1.20 ..... 40&10%

Hitching Cords—

Covert Mfg. Co 45%

Hoes—

HANDLED—

Crescent Cultivator, 6 in. ₩ doz. $3.75 net
Crescent Cultivator, 7 in. ₩ doz. $4.00 net
Crescent Double-Bit ₩ doz. $4.00 net
Crucible Cut-Easy ..... ₩ doz. $4.50 net
Cotton ..... 80&12½%
Dunlap's Boys', Ladies', Toy 30%
Garden, Mortar, &c. ..... 75@25%
Iowa Crucible Socket ..... 75&25%
Magic ..... ₩ doz $4.00
Mattock Hoe ..... ₩ doz. $4.00 net
Planter's ..... 80&20%
Texas Cut Easy ..... ₩ doz. $4.25 net
Warren Hoe ..... 60&10%

EYE—

American Axe & Tool Co 70%
Grub ..... 60&10@70&5%
Lane's:
Crescent Planters Pat ..... 45&5%
Razor Blade, Scovil Pat ..... 30&5%
Sandusky Tool Co., S. & O. Pat. 60@60&10%
D. & H. Scovil ..... 30@30%

Hog Rings and Ringers—

Hill's:
Rings ..... ₩ gr. boxes..$3.60@$4.00
Ringers ..... ₩ doz. 55@65c
Perfect Rings ..... ₩ gro. 90c
Perfect Ringers ..... ₩ doz. $1.00

Hollow Ware—

IRON—

Granite and Agate-Ware ..... 40&10%
Ironclad Enameled-Ware..60&10&10%
Rustless Hollow-Ware ..... 50@50&5%
Stove Hollow-ware:
Ground ..... 60&10&10@70%
Unground ..... 70&5@75%
White Enameled Ware:
Boilers and Saucepans ..... 62½@65%
Maslin Kettles ..... 75&5@75&10&5%
Tinned Boilers and Saucepans ..... 60&5@60&10%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Hartford Silver-Plate Co ..... 40&5%
Holmes & Edwards Silver Co. 40&15&5%
Meriden Britannia Co ..... 40&5%
Reed & Barton ..... 40&5%
Rogers & Brother ..... 40&5%
Simpson, Hall, Miller & Co ..... 40&5%
William Rogers Mfg. Co ..... 40&10%

Hooks—

BUSH—

Jennings & Griffin's ..... 40&10%
Light ₩ doz. $5.00; Medium ₩ doz. $5.50; Heavy $6.00

CAST IRON—

Bird Cage, Sargent's list ..... 60&10&10%
Bird Cage, Reading ..... 60@60&10%
Bird Cage, Williamson 50%
Ceiling, Sargent's list ..... 50&10%
Chandelier 70%
Clothes Line, Sargent's list ..... 50&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading ..... 60&10%
Coat and Hat, Moore's 70%
Harness, Sargent's list ..... 50@50&10%
Lamp 55%
Picture 75%
Screw Hat 70%
Wardrobe 55%

WROUGHT IRON—

Cotton ..... ₩ doz $1.35
Cotton Pat. (N. Y. Mallet & Handle Works 30%
Hammock Hooks, E. C. Stearns, ₩ doz 60c
Picture, T. & S. Mfg. Co 75%
Tassel, T. & S. Mfg. Co ..... 50&10%
Wrought Staples, Hooks, &c. See Wrought Goods.

MEAT—

Enterprise 33⅓%
Wm. Johnson's:
8 in ..... ₩ doz. $2.20 net
10 in ..... ₩ doz. $2.70 net

WIRE—

Atlas Coat and Hat ..... 50@50&10%
Belt ..... 80@80&10%
Handy Coat and Hat 70%
Steady Ceiling 70%
Wire Coat and Hat, Acme ..... 60&10%
Wire Coat and Hat, Gem 70%
Wire Coat and Hat, Standard 45%

MISCELLANEOUS—

Carpenter's Amc. Grass Hooks, ₩ doz. $4.00
Covert's Saddlery Works:
Self-Locking Gate and Door Hooks ..... 60&20%
Dunlap's Merchandise 25%
Grass, No. 2, $1.65; 3, $1.80; 4, $2.00
Hooks and Eyes—Brass ..... 70&10%
Hooks and Eyes—Mal. Iron 75%
Wm. Johnson's Cotton, Box and Hay 60%
Moores':
Clothes Line 70%
Harness 70%
Hotel & School House 70%
Whiffletree ..... ₩ lb 4¼c

Horse Nails—

	Nos. 6	7	8	9	10	
A. U.	25c	23c	22c	21c	21c.	40&10%
American, all sizes, 9½@10c ..... net						
Ausable	23c	23c	25c	24c	23c.	40&10&5%
	Nos. 6	7	8	9	10	
Anchor	23c	21c	20c	19c	18c	40%
C. B. K.	25c	23c	22c	21c.	21c	40%
Capewell	19c	18c	17c	16c	16c.	10&5%
Champlain	23c	25c	23c	24c	23c	40&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10&5%
Empire Bronzed 10c						
Essex	23c	25c	25c	24c	23c.	40&10@50%
Lyra	9½c	9½c	9½c	9½c	9½c., net	
Maud S	25c	23c	22c	21c.	21c	50&10&5%
Northw't'n	25c	23c	22c	21c	20c.	35@35&5%
Putnam	23c	21c	20c	19c	18c	35%
Snowden	9½c	9½c	9½c	9½c	9½c., net	
Vulcan	23c	21c	20c	19c	18c	25%
Western, 5 to 10d 9c						

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co 45%

Hose, Rubber—

Boston Belting Co.:
"Boston" ..... 50&10&5%
"Imperial" ..... 50&5%
Competition ..... 75@75&10%
Extra ..... 60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para ..... 40&10%
Reliable ..... 50&10%
Staple ..... 60&10%
Standard ..... 70&10@70&10&5%

Ice Awls, Chippers, &c.—

Copeland Ice Pick ..... ₩ gr $9.00 net
Crown ..... net
Dunlap's:
No. 1 ..... $3.50 per doz 20%
No. 20 ..... $12.00 per doz 20%
Gem Ice Shave ..... net
Sargent's Ice Awls 55%
Star ..... net

Ice Shredders—

Enterprise, No. 33, ₩ doz. $7.20..25%
No. 34 ..... ₩ doz. $15.00..25%

Jack Screws—

See Screws.

Kettles—

Spun Brass, Plain ..... 15@20%
Spun Brass, plated inside with White Metal ..... 10@15%

Knives—

Ames':
Bread Knives. ₩ doz. $1.50..20@25%
Butcher Knives ..... 25@25&10%
Shoe Knives ..... 25@30%
Dunlap Kitchen and Br'd Knives 25%
Foster Bros.' Butcher, &c 40%
Goodell's:
Bread Knives Ass'n list ..... net
Butcher 25%
Shoe Knives 40%
Hay and Straw, see Hay Knives.
Nichols' Butcher Knives 50%
Table and Pocket, see Cutlery.
Wilson's Butcher Knives..25@25&5%

Knobs—

Bardsley's Wood Door, Shutter and Base 15%
Base, Rubber Tip, 2½ in. Bead, ₩ gr ..... $1.25@$1.50
Carriage, Jap ..... ₩ gro. 80c, 60&10%
Door Knobs, Hemacite ..... 50&10%
Door Mineral ..... ₩ doz. 55@60c
Door Por. Jap'd ..... ₩ doz. 65@70c
Door Por. Nickel ..... ₩ doz. $1.70@1.80
Drawer, Porcelain..60&10@60&10&10%
Picture, Hemacite ..... 50&10%
Picture, Judd's ..... 50&10&10%
Picture, Sargent's ..... 70&10%
Shutter, Porcelain 70%
Yale & Towne Wood, list Dec. '95. 40%

Ladles, Melting—

Monroe's Pat ..... ₩ doz $4.00, 40%
P. S. & W ..... 35&10@40%
Reading ..... 50&10%
Sargent's ..... 60@60&10%
Warner's 80%

Lanterns—

Buhl Stamping Co:
No. 100 Buhl Tubular Headlights, ₩ doz. list $33.00
No. 16 Buhl Side Lever, ₩ doz. list $7.50
No. 10 Buhl Improved Regular, ₩ doz. list $7.00
No. 20 Buhl Square Top Lift. No. 2, ₩ doz. list $11.00
No. 150 Buhl Dash Reflector, ₩ doz. list $10.00
No. 200 Buhl Dash Reflector. No. 2, ₩ doz. list $17.00
Discount ..... 40&5%

Latches—

Cronk's Sliding Door 60%
Lane's Barn Door 40%

Lawn Mowers—

Champion ..... 75&10%
Continental ..... 60&10%
Drexel Cheap Mowers ..... net
Enterprise 40%
Genuine Philadelphia Mowers:
C. K. L. ..... 70&10%
Styles A., and E. ..... 60&10%
Styles, D., D. O. W., M., S., T., Great American ..... 70&10%
Imperial ..... 60&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%
New Easy ..... 60&10@60&10%
New York ..... 60&5%
Pennsylvania ..... 60&10%
Rapid Transit ..... 70&10&10%
Standard ..... 60&5%
Sunbeam ..... 60&10%

Lawn Sprinklers—

Enterprise 35%
Gibbs' Arc ..... ₩ doz. $10.00
Gibbs' Hustler ..... ₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler:
No. 1, No. 2, No. 3, ₩ doz. $12.00 $15.00 $24.00..35%

Lemon Squeezers—

Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40 ..... 30%
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $3.50 net
Dunlap's Improved ₩ doz. $3.75 20%
Hotchkiss, Straight Flush ₩ doz. $2.60
Jennings' Star ..... ₩ doz. $1.90@$2.10
Little Giant ..... 50@50&5%
Porc. Lined, Iron ..... $3.20@$3.50
Porc. Lined, Wood ..... ₩ doz. $6.00 35&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.

Letter Box Plates—

Name Door Plate ..... 50@50&10%
Name Plate 70%
Number Door Plate ..... 60@60&10%
Sargent's ..... 60&10@70%

Levels—

C. E. Jennings & Co.'s:
Hexagon ..... 35&10%
Iron Bench, new design ..... 35&10%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's 50%
Cotton Chalk, 20 feet ..... 60&10%
Cotton Trot 33⅓%
Masons':
Colored Cotton ..... 40&10%
Flax ..... 40&10%
No. 0 to 5 ..... 25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50 ..... 10%
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro 25%
Ventilator Cord, Samson Braided. White or Drab Cot. ₩ doz. $7.50. 20%
Wire Clothes, 100 feet, No. 18, $2.25; No. 19, $2.00; No. 20, $1.75

Locks—

DOOR LOCKS, LATCHES, &c.—

Barnes Mfg Co ..... 40@40&10%
Branford Lock Co ..... net prices
Brooklyn Latches ..... 50&10%
Champion Night Latches 40%
Diets Flat Key 30%
Mallory, Wheeler & Co ..... 60&10@70%
Norwalk Lock Co ..... 60&10%
Plate 33⅓%
R. & E. Mfg. Co ..... 60&10@70%
Reading Hdw. Co ..... 60@60&10%
Romer's Night Latches ..... 20&5%
Sargent & Co ..... 60&10@60&10&10%
Slaymaker, Barry Co.'s:
Corrugated Key Latch ..... 35&5%
All other Night Latches 40%
Yale ..... net prices

CABINET—

Barnes Mfg. Co ..... 40@40&10%
Diets:
Nos. 23 to 39 ..... 40%
Nos. 41 to 78 ..... 45%
Nos. 87 to 96 ..... 30%
Eagle Lock Co ..... 45&2%
Charles Parker Co ..... 45&2%
Romer's 25%
Stoddard Lock Co ..... 30@33⅓%
Yale ..... 45&2%

PADLOCKS—

Acme Bicycle and Satchel per doz. $9.00 ..... 40%
Ames Sword Co 40%
Barnes Mfg. Co ..... 50@50&10%
Champion 40%
A. E. Diets 40%
Eagle 40%
Eureka, Eagle Lock Co ..... 40&2%
Gem, Corbin's ..... 60&2%
Romer's Nos. 0 to 5 ..... 40&5%
Scandinavian ..... 30&40@60&40&10%
Smith & Egge Bicycle 30%
Wrought Iron ..... 75@30%
Yale Lock Co ..... net prices

TRUNK—

Corbin's 25%
Eagle 25%

Mallets—

Sargent's List
Hickory ..... 50@35&10%
Lignumvitæ ..... 50@35&10%
Raw-Hide ..... 40&10%

Mattocks—

Regular list ..... 70@70&10%

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Meat Cutters—
American 30%
Nos. 1 2 3 4 B 5
Each $5 $7 $10 $25 $50 $60
Beef Shavers (Enterprise) 20%
Chadborn's Smoked Beef Cutter, ₩ doz $80.00
Dixon's ..... ₩ doz 33⅓%
Nos. 1 2 3 4
$14 $17 $19 $30
Enterprise 25%
Nos. 10 12 22 32 42
Each $3 $3.50 $4 $6 $15
Hales Pattern ₩ doz ..... 70@70&5%
Nos. 11 12 13
$27 $33 $45
Home No. 1. ₩ doz $35 ..... 60%
Little Giant ..... 50&10%
Nos. 205 210 212 220 222
$25 $43 $44 $72 $68
Miles' Challenge ₩ doz ... 45@45&10%
Nos. 1 2 3
$22 $30 $40
Perfection ..... net
Woodruff's ₩ doz 33⅓%
Nos. 100 150
$15 $18

Metals, Friction—
Magnolia, ₩ ℔ 25c
Less 20 to the trade, f. o. b. New York.

Molasses Gates—
Enterprise 20%

M p Wringers—
Matchless (Canton, O.), ₩ doz. $13.00

Nails—
WIRE AND CUT NAILS—
See Trade Report for quotations.
Wire Nails and Brads, Papered, Ass'n list, May 1, 1893 ..... 87½%
Grand Crossing Tack Co. List:
Wire Brads 80%
Wire Nails 80%
PICTURE—
Brass Head. Combination list, 50& 10%
Brass Head, Sargent's list, 70&10@ 70&10&5%
Niles' Patent 40%
Porcelain Head, Comb'n list, 40&10%
Porcelain Head, Sargent's list, 50& 10%
FURNITURE—
Antique Bronze 10%
China 25%
Fire Gilt 10%
Plain 40%

Nail Pullers—
Black Hawk, per doz $9.00
Giant, No. 1, ₩ doz $18.00; No. 1½, $16.50; No. 2, $15.00 ..... 30&5%
Lightning ..... ₩ doz $18.00, 20%
National 40%
Pelican ..... ₩ doz $9.00, 15&10%
Scranton No. 2 ..... ₩ doz. $10.00
Scranton No. 3 ..... ₩ doz. $9.00

Nail Sets—
Buck Bros 27½%
Cannon's Diam'd Point ₩ gr. $12, 25%
Dunlap's 20%
Humason's ..... 50&10%
Hunters' Cup Point Knurled .... ₩ gro. $10.00
Hunters' Cup Point, Plain .... ₩ gro. $9.00
Round, assorted ..... ₩ gr. $3.00@3.25
Square ..... ₩ gr. $4.00@$4.25

Nippers—
Acme 50%
Smith's Cutting 50%
Todd's Cutting 50%

Nut Crackers—
Acme, Japanned, ₩ gross $30.00.. 40%
Turner & Seymour Mfg. Co 50%

Nuts—
Cold Punched, Square, off list. $5 40
Hex, off list $5.70
Hot Pressed, Square, off list.. $5.90
Hex, off list $6.70
Tapped 50%

Oilers—
Brass and Copper ..... 50&10%
Cushman & Denison's:
Pocket Oilers ..... ₩ doz. $1.55
Star Pocket Oilers ..... .75
Draper's:
Brass ..... 70&10%
Steel ..... 70&10%
Malleable. Hammers, New Style, 10@10&5%
Malleable, Hammers, Old Pattern, same list ..... 50&10%
"Paragon," Brass ..... 50&10@60%
"Paragon," Zinc ..... 70@70&10%
Tower & Lyon Bicycle 25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust 75%
Zinc and Tin ..... 70&10@75%

Oil Stones, etc.—
OIL STONES—
Pikes Washita:
Lily White, ₩ ℔ 60
Rosy Red 60
Extra Green Paper Wrapper, ₩ ℔ ..... .50
No. 1 ..... .40
No. 2 ..... .30
Pike's Washita Round Edge Slips: 3 to 5x1¾ to 2¾ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White ..... .90
Rosy Red 90
Extra, same sizes as above 80
No. 1 70
No. 2 40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔ ..... .70
Discount 33⅓%.
Pike's Washita Mounted No. 1:
8x2, ₩ doz $12.00
7x2, " 11.00
6x2, " 10.00
5x2, " 9.00
4x1½ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x⅝ to 1¼, ₩ ℔ ..... .24
" 2x2x½, extra selected .. .40
Discount 33⅓%.

Packing, Steam—
RUBBER—
Boston Belting Co.:
" Boston " 60%
" Excelsior " Self-Vulcanizing, per ℔ 70c. 40%
Boston " Phœnix " Red Sheet, per ℔ ..... 50c. net
Extra ..... 60&5@60&10&5%
Standard, Fair Quality .. 70&10@75%
MISCELLANEOUS—
American Packing ..... 9c@10c ₩ ℔
Cotton Packing ..... 14c@15c ₩ ℔
Italian Packing ..... 12c@14c ₩ ℔
Jute ..... 6c@7c ₩ ℔
Russian Packing ..... 13c@14c ₩ ℔

Padlocks—
See Locks.

Parers—
APPLE—
Advance ..... ₩ doz $4.50
Baldwin ..... ₩ doz 5.00
Bonanza ..... each 5.00
Daisy ..... ₩ doz 3.50
Dandy ..... each 7.50
Eureka, 1888 ..... each 16.00
Family Bay State ..... ₩ doz 12.00
Favorite ..... ₩ doz 5.00
Gold Medal ..... ₩ doz 4.00
Ideal ..... ₩ doz 4.00
Improved Bay State. ₩ dz.. $27@30.00
Little Star ..... ₩ doz 4.00
Monarch ..... ₩ doz 12.50
New Lightning ..... ₩ doz 5.50
Oriole ..... ₩ doz 4.00
Penn ..... ₩ doz 3.00
Perfection ..... ₩ doz 4.00
Pomona ..... ₩ doz 4.00
Reading, 72 ..... ₩ doz 4.00
Reading, 78 ..... ₩ doz 7.00
Rocking Table ..... ₩ doz 5.50
Scott's Pat. Rotary, ₩ doz $15.00, 20%
Turntable ..... ₩ doz 4.50
Victor ..... ₩ doz 12.50
Waverly ..... ₩ doz 3.75
White Mountain ..... ₩ doz 4.00
POTATO—
Antrim Combination .... ₩ doz 5.50
Hoosier ..... ₩ doz 12.50
Saratoga ..... ₩ doz 5.50
White Mountain ..... ₩ doz $4.50

Pencils—
Dixon's:
Carpenters' ..... ₩ gr. $4.00@7.50
Carpenter, Yellow or Brown Lead ..... ₩ gro. 9.00
Lead ..... ₩ gro $4.50
Lumber ..... ₩ gro. 6.87
Mascot, Hexagon ..... ₩ gro. 3.38
Mascot, Round ..... ₩ gro. 3.10

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00 ..... 70&10@75%

Planes and Plane Irons—
WOOD PLANES—
Bailey's (Stanley R. & L. Co.) 50&10@50&10&10%
Bench, First Quality 55%
Bench, Second Quality .... 60@60&10%
Fales Bench 25%
C. E. Jennings & Co. ..... 50&10%
Molding 50%
IRON PLANES—
Chaplin's Iron Planes ..... 50&10%
Davis's Iron Planes ..... 40@40&10%
Gage Tool Co.'s Self-Setting 25%
C. E. Jennings & Co., Iron ..... 50&10%
Meriden Mal. Iron Co.'s .. 40@40&10%
Sargent's ..... 60@60&10%
Siegley's:
Bench 40%
Combination, each ..... $4.50 net
Standard Tool Co. ..... 50@50&5%
Stanley Rule & Level Co.:
Bailey's .. 50&10&10@50&10&10&5%
Miscellaneous ..... 25&10%
Steer's Iron Planes .. 50&10@50&10&5
PLANE IRONS—
Auburn " Thistle " .....
Ohio .....
Sandusky .....
} 30&10@40%
Buck Bros 30%
Butcher's ..... $5.00@$5.25 to $
Hinsdale ..... 25&10%
C. E. Jennings & Co. ..... 25&10%
Stanley Rule & Level Co. .... 50&10%
L. & I. J. White ..... 20&5@25%

Pliers and Nippers—
Button's ..... 70&10@70&10&5%
Carew's Pat. Wire Cutters 25%
Cronk's:
Button Pattern 70%
Gas Pliers, No. 100 ..... 40%
Stubb's Pat. Pliers 50%
Hall's Nippers, ₩ doz., No. 2, 5 in. $13.50; No. 4, 7 in. $21.00.... 40&10%
Hall's Pliers 70%
Humason & Beckley Mfg. Co. 50@50 &10%
Wm. Johnson's Gas Pliers 66⅔%
Morrill's Parallel, ₩ doz $12.00 30&5%
Smith's Side Cutting 25%
Stube' 20%
Swiss Pliers 25%
P. S. & W. Cast Steel ..... 50@50&5%
P. S. & W. Tinners' Cutting Nippers ..... add 6% dis. 10%

Plumbs and Levels—
Cook's a ..... 40&10&10%
Davis':
Inclinometers 20%
Iron Levels .... 25&10%
Disston's 50%
Wm. Johnson's 75%
Plumb Bobs 40%
Pocket Levels ..... 70&10&10@75&10%
Stanley's ..... 75&10&10%
Stanley's Duplex ..... 25&10%
Wood's Extension Sight 33⅓%

Poachers—
See Egg Poachers.

Police Goods—
J. P. Lovell's Police Goods 25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz 10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz 10%
Tower & Lyon's 25%

Polish, Metal—
Prestoline Liquid, New List 40%
Prestoline Paste ..... 33⅓@40%

Polish, Stove—
Dixon's Plumbago ..... ₩ ℔ 8c
Joseph Dixon's ..... ₩ gro $5.75, 10%
Gem ..... ₩ gro $4.50, 10%
Lustro ..... ₩ gro $4.75
Rising Sun ..... ₩ gro $5.50@$5.75

Poppers, Corn—
Round or square, 1 qt., ₩ doz. $ .75; ₩ gr. $6.50 } 10@
1½ qt. ₩ doz. $ .85; ₩ gr. $8.00 } 15%
2 qt., ₩ doz. $1.15; ₩ gr. $12.00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3.00; 2 qt., $4 00 ..... 33⅓%

Post Hole Diggers—
Ryan's ..... ₩ doz., $20.00, 25%

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Cronk's Pruning Shears 33⅓%
Disston's Combined Pruning Hook and Saw ... ₩ doz $18.00, 25@25&10%
Disston's Pruning Hook ..... ₩ doz $12.00, 25@25&10%
Dunlap's Saw and Chisel .... ₩ doz $3.50, 30%
Henry's Pruning Shears ₩ doz $3.50@$3.75
E. S. Lee & Co.'s Pruning Tools. 40%.
P. S. & W. Co.'s Shears 60%
Pruning Shears, Henry's Pat. ₩ doz ..... $2.50@2.75
Waters Tree Pruners ..... 75&10%
Wheeler, M. & C. Co.'s Combination ..... ₩ doz $12.00, 25&10%

Pulleys
Awning ..... 60@60&10%
Axle ..... 60&10@60&10&10%
Brass Screw ..... 66⅔@70%
Ceiling ..... 50@10&60%
Clothes Line, Japanned .. 60@60&10%
Common Sense 60%
Dumb Waiter ..... 60@60&10%
Empire Sash Pulley 60%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50 ..... 50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70 ..... 50%.
Hot House ..... 50&10@50&10&10%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00 ..... 40%
Side, Anti-Friction 50%
Shade Rack 45%
Upright ..... 50&10@50&10&10%

Pumps—
Cistern, Best grades .. 65&10@70&10%
Pitcher Spout, Best grades 75&10@80%
Pitcher Spout, Cheaper Goods. 80&5@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump $13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump $15.00
No. 5, Fig. 307, 3 in. Deep Well Pump $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump $17.00
No. 14, Fig. 521, 3 in. Deep or Shallow Well Pump $15.00
No. 32, Fig. 523, 3 in Deep Well Pump $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump $14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump $17.00
No. 70, Fig. 333, 2½ in Deep Well Pump $15.00
No. 72, Fig. 333, 3 in. Deep Well Pump $15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump $16.00
No. 102, Fig. 448, 3 in. Lift Pump $10.00
No. 103, Fig. 448, 3½ in. Lift Pump $12.00
No. 128, Fig. 510, 3 in. Lift Pump $7.00
No. 131, Fig. 510, 3½ in. Lift Pump $8.50
No. 225, Fig. 389, Windmill Pump $12.50
No. 230, Fig. 402, Windmill Pump $13.50
No. 235, Fig. 403, Windmill Pump $14.50
No. 240, Fig. 406, Regulator Pump $20.00
No. 250 Fig. 484, Imperial Cyclone Pump $13.00
No. 265, Fig. 572, Cyclone Tank Force Pump $17.00
No. 267, Fig. 483, Geyser Tank Force Pump $17.00
No. 268, Fig. 513, Low Down Tank Force Pump $16.00
No. 302, Fig. 477, Spray Pump complete $11.50
No. 330. Fig. 492, Bucket Spray Pump $5.50
No. 330, Fig. 547, Knapsack Spray Pump $10.00
Discount 55% F. O. B. Ashland.

Punches—
Avery's Revolving 40%
Avery's Saw-Set and Punch. See Saw Sets.
Bemis & Call Co.'s:
Cast Steel Drive, ... 50@5%
Check 55%
Spring ..... 50&5%
Springfield Socket 65%
Morrill's Universal 35%
Niagara Hollow 45%
Niagara Solid 55%
Rand's Centering Marking Tool.. 25%
Rice's Hand 15%
Saddlers' or Drive, good ₩ doz.. 60@65%
Spring, good quality, ₩ doz $1.70@1.80
Spring, Leach's Pat 15%
Tinners' Solid, P. S. & W. Co. ₩ doz. $1.44, 55%
Tinners' Hollow, P. S & W. Co 20&2%

Rail—
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet $1.40 1.65 1.80
Barn Door, "None Better" No. 1, ₩ foot 2¾c
Barn Door, "None Better" No. 2, ₩ foot 3¼c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet.. $1.60 2.00 2.50
Carrier Steel Rail, ₩ foot 4½c
Cronk's:
Competition ..... ₩ foot, 2½c
Common ..... ₩ foot, 2¼c
Double Braced ..... ₩ foot, 2¾c
Lanes' O. N. T. ..... ₩ 100 ft. $3.40
Moore's Wrought Steel 35%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6½c
Sliding Door, Iron, Painted .... ₩ ft 3c
Sliding Door, Wr't Brass, 1¼ n. ₩ ℔, 35c ..... 30&10@40&5%
Terry's Steel Rail, ₩ foot 3¼c
Victor Track Rail, 7c ₩ foot, 60&10&3½%

Rakes—
Cast Steel, Association goods. 75&15%
Fort Madison Red Head Lawn, $3.25
Ft. Madison Blue Head Lawn, $3.00
Gibbs':
Acme ..... net ₩ doz. $4.00
Boss, Garden, 14 teeth, net ₩ doz. $2.60
Boss, Garden, 18 teeth, net ₩ doz. $2.75
Canton Lawn Rake ... ₩ doz. $3.50
Crown Lawn, No. 1 .... ₩ doz. $3.50
Hustler, No. 0 ..... ₩ doz. $3.20
Lawn Rake ..... ₩ doz. $4.75
Malleable ..... 70&10@75%
Oneida Lawn ..... doz. $6.00
Peerless Socket and Shank.. 75&15%
Prize Bow-Brace ..... 75&15%
Queen City 33⅓%

Razors—
Electric ..... List net
J. R. Torrey Razor Co 30%
Westenholm and Butcher, $10.00 to $ 10%

Registers—
HOT AIR—
Ferrosteel, Japanned ..... 80&10%
Ferrosteel, Nickelplated ..... 75&10%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
American Screw Co.:
Bay State Rivets ..... 75&5%
Burrs 75%
Soft Steel 30%
Copper ..... 60&10&5@60&10&10%
Norway, list Feb. 26, '96 ..... 70%

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Rivet Sets—

Regular list.....70@70&10%

Rollers—

Barn Door, Sargent's list..60&10&10@70%

Cronk's:
Acme Barn Door.....50%
Adjustable Stay..₩ doz. $1.00 net
Screw Stay.....₩ doz. 60c net

Rope.

Cotton Rope, Best, ¼ in. and larger....₩ lb 14½@15c
Medium, ¼ in. and larger.....₩ lb 12 @13c
Common, ¼ in. and larger.....₩ lb 9½@10c
Jute Rope.....₩ lb 5½c
Manila:
7-16 in. and larger..₩ lb 6½@6½c
½ in.....₩ lb 6¾@7 c
⅜ and 5-16 in.....₩ lb 7¼@7½c
Hay Rope, Med.....₩ lb 6½@6¾c
Sisal, ½ in.....₩ lb 5½c
¼ and 5-16 in.....₩ lb 5½c
7-16 in. & larger.....₩ lb 4¾c
Med. L'th Y'rn.....₩ lb 4¼c
Hay Rope.....₩ lb 4¼c

Rules—

Athol, Steel.....33⅓%
Boxwood..50&10&10&10@30&10&10 &10&10%
Ivory.....50&10@50&10&10%
Lufkin's:
Steel.....55%
Lumber.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—

Chinese Laundry.....₩ lb 4½@5c
Chinese Sad.....3½@3½c
Coisbrookdale Iron Co.:
Crown, Improved Pol, ₩ doz. $6.50
Nickel.....₩ doz. $7.00
Common 4 to 10.....₩ lb 2½@2¼c

COLD HANDLED—

Enterprise Mfg. Co. of Pa.:
No. E 50, nickel plated, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.45
No. E 55, nickel plated, size 1, 2 or 3 without handles, ₩ doz. $4.45
No. E 55, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.70
No E 55 plain polished, size 1, 2 or 3 without handles, ₩ doz. $4.00
No E 60, nickel-plated, size 1, 2 or 3 with "best" handles, ₩ doz.....$8.25
No. E 60, nickel-plated, size 1, 2 or 3 without handles, ₩ doz. $5.25
No. E 60, nickel-plated, size 4, with "best" handles, ₩ doz $9.80
No. E 60, nickel-plated, size 4, without handles, ₩ doz.....$6 80
No. E 65, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.75
No. E 65, plain polished, size 1, 2 or 3 without handles, ₩ doz. $4.75
No. E 65, plain polished, size 4, with "best" handles.....$8.80
No. E 65, plain polished, size 4, without handles.....$5.80
The "Best" Handles, with Forged Iron Stretchers, ₩ doz.....$3.00
Self-heating.....₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $32.50, 25%
Sensible Nickel.....₩ doz. $7.00
Sensible Pol.....₩ doz $6.50
Sensible, Tailors'.....₩ lb 30@3½c

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Emery Cloth.....50&10@60%
Garnet Paper.....30@35&5%
Sand and Emery Paper.50&10@60%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%

Sash Cord—

Cable Laid Italian Sash.....₩ lb 16c
Cable Laid Russia.....₩ lb 13½@14c
Common.....₩ lb 8½@9c
Common Russia Sash.₩ lb 12½@13c
India Hemp Sash.....₩ lb 9½@10c
Jute, good quality.....₩ lb 11c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ lb 30c
"Samson" Braided Drab, Cotton.....₩ lb 35c
"Samson" Braided Italian Hemp.....₩ lb 33c
"Samson" Braided Linen, ₩ lb 56c
Silver Lake:
A Quality, Drab..₩ lb 55c. 35@40%
A Quality, White, ₩ lb 50c. 35@40%
B Quality, Drab, ₩ lb 35c.....15@15&7½%
B Quality, White ₩ lb 30c.....15@15&7½%
White Cotton Braided, ₩ lb 21c@23c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts Flush.....70%
Sash Lifts With Lock.....60&10&10%
Sash Rollers.....70%
Shutter Bars.....60&10@70%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%

Sash Locks—

Champion Safety.....70&10&5%
Corbin's Daisy, '95 list.....40@45%
Davis, Bronze, Barnes Mfg. Co...60%
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Ives' Patent....60&10&5@60&10&10%
Payson's Perfect.....70%
Reading.....60&10&10@70%

Sash Weights—

Small lots.....₩ ton, $20.00@$21.00
Ton lots at factory.....$18.00@$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....30%
Enterprise Mfg. Co.....35%
National Specialty Mfg. Co.....25%

Saws—

Atkin's:
Band.....50&10%
Butcher, Pruning and Compass.....40&10%
Circular.....50&10%
Cross Cut.....40&10%
Gang.....50&10%
Hand.....40&10%
Wood.....40&10%
Disston's:
Circular.....45@50%
Cross Cuts.....40&10%
Gang.....45%
Panel, Hand & Rip.....35%
Haines' Needle Point.....40%
C. E. Jennings & Co.'s:
Butcher.....30%
Hand Panel, Rip and other Saws 25%
Peace:
Cross Cuts.....45&10%
Hand Panel and Rip.....35&10%
Richardson:
Circular and Mill.....45&10%
X Cuts.....45&10%
Hand-saws.....25&10%
Star, Butcher.....35%
Woodrough & McParlin Cross Cuts.....45&10%

HACK SAWS AND FRAMES—

Chatillon.....30%
Griffin's:
Complete.....40&10%
Saw Blades.....40&10@50%
Star, Saws and Blades.....35%

Saw Frames—

C. E. Jennings & Co.....30%
Red, Polished and Varnished..₩ doz.. $1.00@$1.10
Richardson's Wood.....net
White Vermont..₩ gro. .$8.50@$9.00

Saw Sets—

Atkin's:
Criterion Saw Sets. ₩ doz.....$6.00
Excelsior Saw Tools ₩ doz....$6.00
Bemis & Call Co.'s:
Cross Cut.....30&5%
Hammer, New Pat.....45%
Plate.....30%
Spring Hammer.....30&5%
Disston's Star.....25@25&10%
Hart's Pat. Lever.....30%
Kohler's:
"Giant Royal".....₩ doz. $10.00
"Royal".....₩ doz $6.00
Leach's.....33⅓%
Morrill's:
No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&30%
Cross-cuts Nos. 3 and 4, $28.00; No. 5, $31.00.....40&20%
Richardson's.....35%
Seymour Smith & Son, Hammer, ₩ doz.....$4.75
Stillman's ₩ doz.....$1.00
Taintors Positive...$18.00 ₩ doz. 60%

Scales—

Chatillon's:
Eureka.....25%
Favorite.....40%
Grocers' Trip Scales.....50%
Family, Turnbull's.....30@30&10%
Hatch:
Counter, No. 171, ₩ dos. $17.00@$18.00
Tea, No. 161.....₩ doz. $5.75@$6.00
Union Platform Plain...$2.00@$2.10
Striped.....$2.15@$2.25

Scale Beams—

Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@60&10&5%
Scale Beams, List Jan. 12, '92.50&10%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....₩ doz., $3.00
Box, 2 Handle....₩ doz., $3.00@$4.00
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60@60&5%
Extension.....50&10&5%
Flyer.....50&10&5%
Perfection Screens.....60@60&5%
Window Screen Frames.....60&5%
Stearns':
Frames and Corners....35@35&10%
Gem Window Screen Frames, 25&10%
Monarch Adjustable Window Screens.....50%

Screen Doors—

Phillips:
Empire Fancy.....30&35%
Fancy Pine.....15%
Painted.....50&5%
Stained.....50&10%
Standard Oil.....35&40%

Screw Drivers—

Brace Screw-Drivers.....25&10&5%
Buck Bros.....30%
Screw-Driver Bits.....37½%
Champion.....40&10%
Disston's.....5@50&10
Pat. Excelsior.....5@5%
Ellrich's Socket and Ratchet.40&10%
Fray's Hol. Hdle. Sets, No. 3, $13.50%
Howard-Allard.....50&10&10%
C. E. Jennings & Co.....30&10%
Jennings & Griffin.....65&10%
Wm. Johnson's:
1.5 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20 and 40.....50@50&10%
Screw-Driver Bits..₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $3.25
N. E. Specialty Co.'s.....50&10%
Stanley R. & L. Co.'s:
No. 61, Varnished Handles.70&10%
No. 86.....75&10%
Tower & Lyon:
Champion.....33⅓%
"Handy" Ratchet.....33%
Williamson's:
Beauty, ₩ doz.....$1.00 } 40%
Gem, ₩ doz.....80c }
O.T. Williamson Wire Novelty Co.40%

Screws—

WOOD SCREWS—

Brass, Flat Head.....90%
Brass, Round Head.....85%
Bronze, Flat Head.....87½%
Bronze, Round Head.....85%
Copper, Flat Head.....65%
Copper, Round Head.....60%
Drive Screws.....90%
Iron, Bright Flat Head.....90%
Iron, Br't R'd & Oval Head.....85%
Iron, Forged Flat Head.....90%
Nickel Plated, Flat Head.....90%
Nickel Plated, Round Head.....77½%
Phosphor Bronze, Flat Head.....80%
Phosphor Bronze, Round Head..55%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....60%

MACHINE—

Brass, Flat Head.....45%
Brass, Round Head.....40%
Iron, Flat Head.....45%
Iron, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron, ₩ doz., 1 in., $2.75; 1¼, $3.00; 1¼, $3.50
Bench, Wood, Beech, ₩ doz $2.00@2.20
Chair.....60&10%
Coach.....82½%
Hand Rail Am. Screw Co.....82½%
Hand Rail, H. & B. Mfg. Co.....80%
Hand Rail, Sargent's....70@70&10%
Hand, Wood.....30&10@40%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W...40@40&10%
Jack Screws, Sargent's.....75%
Jack Screws, Stearns'.....40&10%
Lag Blunt Point, list Jan. 1, 1890. 75&30@30&10%
Piano Stool.....60&10%

Scroll Saws—

Barnes' No. 1, $8; No. 6, $10; No. 7 $15.....25%
Barnes Scroll Saw Blades.....40%
Cricket.....10&10%
C. E. Jennings & Co.....30%
Lester, complete, $10.00.....10&10%
Rogers, complete, $4.00.....15&10%

Scythes—

Grain.....50&10%
Grass.....50&10%
Scythe Snaths.....50&10@50&10&5%

Seeders—

Raisin, Enterprise.....25%

Shaft Couplings—

Bradley's:
Buggy, No. 8, ₩ Set.....$2.25
Surrey, No. 9, ₩ Set.....$3.60

Shears—

Acme (Cast).....40@40&5%
Ætna, Steel Japanned.....
Ætna, Steel Nickeled.....70&20%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Clauss:
Nickel.....60%
Japanned.....70%
Davenport Cutlery Co.'s...60@60&10
Heinisch's:
St. Trimmers, etc...60&10&10@70%
Tailor's Shears.....5&5&10@40%
Pruning. See Pr'ning H'ks & Shears.
Seymour's List, Dec., 1891. 60&10@60&10&10%
Wiss & Sons:
Japanned.....70%
Nickeled.....60%
Tailors' Shears.....50&10%
Tin Snips.....45%

Sheaves—

SLIDING DOOR—

Corbin's list.....60&10&2½
Hatfield's Pattern.....70&10@80%
M. W. Co., list July, 1892.40&10@50&10
Moore's Anti-Friction.....50%
Patent Roller.....60&10@60&10&5%
R. & E., list August 15, 1895. 60&10@60&10&5%
Russell's Anti-Friction, list Dec. 15, 1895.....60&2%

SLIDING SHUTTER—

Reading list.....60%
R. & E. Mfg. Co.'s.....60@60&10%
Sargent's list.....60@60&10%

Shoes, Horse, Mule, &c.—

HORSE—

Bryden's Frog Pressure.....$4.00
Burden's, Perkins', Phœnix and Bryden's, from jobb'rs..$3.15@$3.40
Perkins Steel Side Weight Hind $3.15@$3.40
Perkins Improved Snow.....₩ lb 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ lb 9c
1000 lb lots.....₩ lb 9½c
500 lb lots.....₩ lb 10c

Shot—

See Ammunition.

Shovels and Spades—

O. Ames & Sons:
C.S. Edge.....6@7½%
Pat. Cast Steel.....7½@10%
Blair's Cast Steel.....5%
Bouve's Steel 10%
Carter's Cast Steel.....5%
Sanderson's Cast Steel.....5%
Stone's Cast Steel.....5%
H. M. Myers and other manufacturers are now selling at Association discounts.

Shovels and Tongs—

Brass Head.....60&10@60&10&10%
Iron Head.....60&10@60&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $10@11.50

Skate Sharpeners—

Eureka...₩ doz. $1.75; ₩ gro. $18.00

Slaw Cutters—

Enterprise.....25%
Enterprise Mfg. Co.....25%
Tucker & Dorsey:
1 Knife.....₩ gro. $15.00@$18.00
3 Knives.....₩ gro $21.00@$27.00
Kraut Cutters.....50@50&10%
Woodrough & McParlin.....40%

Slicers—

Vegetable, Enterprise.....25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....60%
Cookeyes.....70&10%
Covert Mfg. Co.....45&20%
German, new list .40&10@40&10&10%
Fitch's (Bristol).....50%
Sargent's:
Patent Guarded.....70&10&10%
Covered Spring.....60&10%
Open Spring.....70@70&10%

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Covert Mfg. Co:
Breast Strap Buckle Snaps
Breast Strap Protector....
Double for Bits or Trace Carrier.....
Loop Eye.....
Loop Eye, Swivel.....
Open Eye.....
Round Eye.....
Round Eye, Swivel.....
45&2% @50%
Covert Saddlery Works:
Banner.....60&20%
Triumph.....60&20%

Spoke Shaves—

Bailey's (Stanley R. & L. Co.) Iron.....50&10%
Iron.....₩ doz. 5 & 1%
Millers Falls.....15&10%
Seymour Smith & Sons, Iron.....20%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%
Wood.....₩ doz. 25&10%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10@30%
B. B. Noyes Meat Forks..50&10@60%
Buffalo S. S. & Co.....33⅓&2%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Holmes & Edwards Silver Co..60%
L. Boardman & Son.... Catalogue "B"—net List
Meriden Brit. Co. Rogers Bros.40&10%
C. Rogers & Bros.....40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....60%
Simpson, Hall, Miller & Co.....60&5%

MISCELLANEOUS—

Boardman's:
Britannia Spoons, Catalogue "B".....net List.
Nickel Silver, Catalogue "B" net List
Britannia.....60&10%
German Silver.....60&10%
German Silver, Hall & Elton..50& 5% cash
Wm. Rogers Mfg. Co.:
18% Rogers' German silver...60&5%
23% Rogers' Nickel Silver....60&5%
Rogers' Silver Metal.....50&10&5%

Springs—

See Door Springs.

Squares—

Disston Try Square and T Bevels, 60&10%
Starrett's Micrometer Caliper Squares.....25%
Try Square and T Bevels.60&10&5 @60&10&10%
Winterbottom's Try & Mitre.50&10%
Nickel-Plated.. } 75&1 @75&1 &10
Steel and Iron . }

Stair Rods—

Black Walnut.....60%
Brass, Oval or Hollow.....50%

Staples—

Barbed Blind—⅛, ⅝, and ¾ inch, ₩ lb.....6c@6½c
Grand Crossing Tack Co. List: 75&10%

Stocks and Dies—

BLACKSMITH'S—

Butterfield's Goods.....35@40%
Gardner.....33⅓&10%
Lightning Screw Plate.....25%
Reece's New Screw Plates....25@30%
Waterford Goods.....3 @40%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stove.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March, 20, '90.
2% cash. Market irregular and lower prices on some lines.
American Cut Tacks.....90&10%
Carpet Tacks:
American, Blued....90&10@90&20%
America, Tinned...90&3.@90&25%
Leathered.....60%
Steel.....90&20%
Swedes, Lanc.....85&10%
Swedes, S. S.....90&25%
Swedes Iron Tacks:
Lanc.....85&10%
S. S.....90&1 &5%
Basket Tacks.....75& 10%
Basket Nails.....80%
Bill Posters' and Railroad Tacks:
S. S.....90%
Brush Tacks and Nails.....75&15%
Chair Nails.....8 %
Cigar Box Nails.....75%
Common and Patent Brads.....80%
Finishing Nails.....75%
Gimp Tacks:
Lanc.....80&20%
S. S.....90&5%
Hungarian Nails.....85&10&5%
Lace Tacks.....
Lanc.....80&20%
Looking Glass Tacks.....70%
Picture Frame Points.....70%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Trunk and Clout Nails:
Black.....80 &5%
Tinned.....80&10&5%
Upholsterers' Tacks:
Lanc.....80&20%
S. S.....90&10%

MISCELLANEOUS—

Bill Nye Brad Box.....₩ box $4.00
Bill Nye, Jr., Brad Box..₩ box $2.00
Bonnie Blue.....₩ box $1.50
Can Opener Carpet Tacks.₩ gr $4.00
Dble. Point.90&10&10&10&10&10&10%
Hammer Carpet Tacks...₩ gr. $4.50
Miniature Keg Tacks..66⅔&33⅓& 10&10&2%
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓& 10&2%

Tack Pullers—

Columbia, No. 1, per doz., net,....$1
" " 2, " " 1.50
Little Jack.....₩ doz. $1.00

Tapes, Measuring—

American.....40&10@50%
Chesterman's.....3 @3 &5%
Keuffel & Esser Co.....25%
Lufkin's Steel and metallic.....40%

Taps—

American Screw Co.
Machine Screw.....70%
Blacksmiths' Taper.....50&10@60%
Hand and Machine.....50&10@60%
Pipe.....80%

Telephones—

Union Electric Co.:
Letter A, Complete....each, $10.00
Letter B, for Warehouse..each, $8.50
F. o. b. cars Cleveland.

Tin, Perforated—

Harrington & King Perforating Co.: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Box.
1	$9.50	$1 55
2	$9.00	$1 55
3	$8.25	$1.35
4	$7.75	$1 30
5	$7.50	$1.20
5½	$7.25	$1.20
6	$7.00	$1.15
7	$7 00	$1.10
8	$6.75	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&25%

Tobacco Cutters—

National Specialty Co.....30&5%

Trammel Points—

Backus and Union.....40%
C. E. Jennings & Co., "Eureka".25%
Cook's.....25%
Sargent's.....70&10@70&10&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Prentiss'.....20@25%

Tracks, &c.—

F. E. Myers & Bro.:
Comb. Car., Double Steel T...$3.50
Comb. Car., Wood Track....$3.25
Common 6 in. Wood Sheave Pulley, Fig. 433, ₩ doz.....$1.65
D. H. Fork, Steel Regular, each .75
Double Grapple Fork, each...$3.25
Double Rail Steel Track complete with clamps, ₩ ft..... .09
Faultless Steel Frame K. P Pulley, Fig. 435, ₩ doz.....$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz.$1.75
Floor Hooks, ¾ in. ₩ doz. .65
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$2.00
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz..... .55
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz.$2.00
Malleable Rafter Brackets, ₩ doz..... .45
Nellis Fork, each.....$1 50
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
New Myers Iron Rod Car.....$2.75
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz.. .....$2 25
Rev. Car., Double Steel Track $3.50
Rev. Car., Wood Track.....$3.25
Rope Hitch ₩ doz.....$1.75
Single rail Car, Single Steel T.$3.50
Single Rail Steel Track with clamps, ₩ ft..... .09
Sprouts Shear Fork, each....$1.40
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1 50
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Walker Fork, each.....$1.15
Wrought Rafter Brackets, ₩ doz..... .45

Transom Lifters—

Ajax.....50&10@50&10&5%
Bronze Metal, with Safety Spg 5 @ 0&10%
Crescent.....7 @7 &1%
Dicksons.....60%
Nickel Plated.....50&10%
Payson's Solid Grip, Nos. 3, 3 and 3½.....₩ 100, $12.00
Shaw's:
Copper Finished..... 8 &10%
Lever.....70@70&10%

Traps—

GAME—

Blake's Patent.....60@60&10%
Enterprise Mole.....15%
Newhouse.....40&10@50&5%
Oneida Pattern..... .75&5@75&10%

MOUSE AND RAT—

Enterprise Mfg. Co., Mole.... 1%
Rat.....40@40&10%
Household.....₩ gr $10.00
Hotchkiss:
Metallic Mouse,.....₩ doz. 65c
Improved Rat.....₩ gross, $12.50
New Rat.....₩ gross. $12.50
Mouse, Bonanza....₩ doz 90c@$1.00
Mouse, Catch-'em-Alive ₩ doz $2.50,15%
Mouse, Delusion..... 40%
Mouse, Ideal.....₩ gr $9.00
Mouse, Round Wire.₩ doz $1.50, 10%
Mouse, Wood, Choker, ₩ doz holes 10c@90c
Schuyler Rat Killer, No. 1 ₩ gro., $18 50 No. 2 ₩ gro., $15.00
Smith & Egge Mfg. Co:
Superior Rat Trap, ₩ doz....$15.00
Yankee Mouse Trap, ₩ doz.. $5.50
Yankee Rat Trap, ₩ doz.....$11.00

FLY—

Balloon, ₩ doz $1 25.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ doz., $1.75; ₩ gr. $13.50
Harper....₩ doz., $1.75; ₩ gr. $16.50

Trowels—

Brade's Brick.....25@33⅓%
Disston's:
Brick.....3 %
Plastering.....25%
Pointing.....30%
C. E. Jennings & Co.:
Brick.....30%
Plastering.....25%
Pointing.....30%
Wm. Johnson's:
Brick.....4%
Plastering.....40%
Pointing.....4 %
W. & McP. Plastering....25@25&10%
Peace's Plastering.....25@25&5%
Richardson.....25@2 &10%
"Rose" Brick Plastering and Moulders.....3 @30& 10%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vegetable Slicers—

Enterprise Mfg. Co. 25%

Vises—

Solid Box.....50&10@60%

PARALLEL—

Alligator.....50%
Armstrong's:
Combination.....50%
Plain and Hinge.....60%
Ath l, Oval Side.....60&10%
Bonney's Champion.....45@45&10%
Fisher & Norris Double Screw15&10%
Holland's.....40@40&10%
Howard's.....40 &10%
Little Giant Bench.....25&10&5%
Lowell Hand.....33⅓%
Massey's Quick Action.....20& 25%
Merrill's.....25&15%
Millers Falls, Mechanics'...net@1%
Moore's.....40%
Parker's.....20@25%
Oval Slide..... 50&10%
Victor.....30%
Prentiss.....2 @25%
Sargents.....7 &1%
Simpson's Adjustable..... 5 %
Stephens'.....20@50%
Trenton.....40&5@40&10%
Wilson'.....55%

SAW FILERS—

Bonney's Nos. 2 & 3, $15.00..... 60%
Stearn's Com., No. 0, 1, 2, and 3..50%
Stearn's Rubber Jaw, Nos. 10 and 33 .....33⅓%
Wentworth's.....35%

Wads—

See Ammunition.

Wagon Jacks—

Covert's Saddlery Works:
Victor.....60&20%
Daisy..... .....60&2 %
Lane's Steel 35%

Washer Cutters—

Otis A. Smith's.....20&10&10%

Weather Strips—

Church's:
Axtell, Lacquered, 36 in. ₩ doz. $5 00
Axtell, Lacquered, 42 in. ₩ doz. $7.00
Axtell, Pol. Brass, 36 in. ₩ doz. $12.00
Axtell, Pol. Brass, 42 in. ₩ doz. $15.00

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $3.50@$12.00
American Whip Co.: List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft. $10.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
American, 9s Pen Whip, 6 ft., $6.00
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 8½ ft. $13.00; 7 ft., $15.00.
Eureka, Two-thirds Whalebone 5½ ft., $15.00; 6 ft., $16.50 6½ ft. $18.00; 7 ft., $20.00.
Gents' Light Driving, No. 111, 6 ft.....$5.00
Gents' Light Driving, No. 106, 6 ft.....$5.0
Hand-Made Stocked Java, No. 108.....5½ ft., $3.75; 6 ft., $4.0
Hardware Assortment 10 | American, 75 Whips for.....$50.00
New Name, Stocked Java, Black and Wine Colors.....6 ft., $5.00
Team Whips....₩ doz $3 0 @$7 50
True Grip, Raw Hide Center, 4½ ft. $6.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.

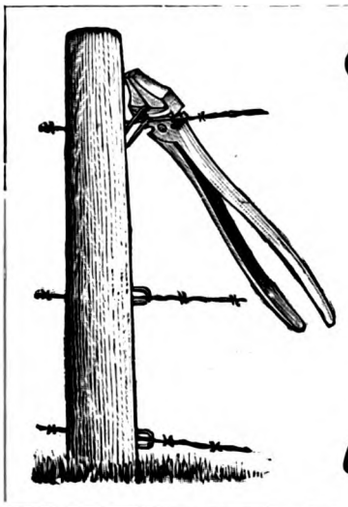
Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....35&10%

Wire and Wire Goods—

Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Brass Wire.....35%
Bright Wire Goods, Standard list 35&10@35&10 &5%
Cast Steel Wire.....50%
Copper Wire 45%
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&10%
Malin's Brass and Copper on Spools.....60&10%
Market Wire:
Brt. & Ann., Nos. 0 to 18..80@80&10%
Cop'd, Nos. 0 to 18, 75&10@7 &10&5%
Galv., Nos. 0 to 18, 75&10@75&10&5%
Tin'd, Tinned list Nos. 0 to 18..... 75&10@75&10&5%
Picture Wire.....New list 35&10%
Steel Music Wire, Nos. 13 to 20, Imported, ₩ lb..... 60@70c
Stub's Steel Wire.....$9.00 to $ 30%
Tate's Spooled Wire:
Annealed and Tinned .....60&10%
Copper and Brass.....50&10%
Tate's Wire Picture Cord Braided and Twisted.....35@10&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ lb 4½c
Wire Clothes Lines, see Lines.

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CRONK'S

Combination Fencing Plier.

This newly invented fencing tool is needed by all people that build or have occasion to remove or repair wire fence, as it is made with two staple pullers, two hammers and two button cutters. They are the same heft as the 1½ Maydole Hammer, and they are made of forged tool steel. No good farmer will be without one. They are warranted to cut No. 8 hard or No. 6 soft wire. Like the celebrated Cronk Plier they are fully warranted in all respects. No. 12, 11 in. long, $12.00. Dis. . . .

CRONK HANGER CO., ELMIRA, N. Y.

Wire Cloth, Netting, &c.—

Brass Cloth....40@55%
Galvanized Wire Netting..80&10@80&20%
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.15@$1.20
Steel Bolting Wire Cloth....30@55

Wire Rope—

List.
Cast-steel....20&2½&2% cash
Iron....20&2½&2% cash
Iron, Galvanized..20&2½&2% cash

Wire Rope Clips—

Crosby....25%

Wire Stretchers—

W. C. Heller's Grip....₩ doz. $1.60

Wrenches—

Acme:
Bright....60@60&10%
Heavy....50%
Nickel....50&10@60%
Agricultural....80@80&10%
Aiken's Pocket (Bright)..$2 00@3.20
Alligator....60@60&10%
Always Ready....33⅓&5@40%
American Adjustable....40@40&10%
Armstrong's....40%
Baxter's....65@65&10%
Bemis & Call's:
Brigg's Pattern....30&10%
No. 2 Cylinder or Gas Pipe....55%
No. 3 Pipe, Bright....60%
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Boardman's....30@33⅓%
Champion Carriage....40%
Cincinnati Tool Co:
Bit....&10%
Standard Brace....25
Coes':
Genuine....40&10&5&5&3%
"Mechanics'"....40&10&10&5&5&3%
Pattern Wrought....80&10%
Donohue's Engineer....40&10%
Eagle Pipe....50&10%
Expert Bicycle....33⅓&10%
Girard Standard....65&10@70%
Hall's Pipe....50%
Hercules....70&10@75%
Lamson & Sessions':
Engineers'....60@60&10%
Standard....70&10%
Lowell:
Leg Screw....25%
Ratchet....33⅓%
Socket Bridge....20%
Stillson Pipe....45%
Taylor Pipe and Nut....40%
Trimo Combination....40%
Trimo Pipe....50&10%
Wakefield Pipe and Nut....40%
J. H. Williams....25%
Yankee....45%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co., list May 1, 1894, 2%
Lovell Mfg. Co., list July 2, 1894...2%
National Wringer & Mfg. Co., list Jan. 1, 1895....2%
Peerless Mfg. Co., list Feb., 1892...2%
NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in barrels..₩ gallon....30c
Linseed, City, Boiled, in barrels ₩ gallon....33c
Out of Town on Spot..₩ gal....30c
Calcutta, Raw, in bbls....₩ gal. 50c
Lard, Prime City....₩ gal. 40@42c
Western, Prime....40@41c
Extra, No. 1....34@36c
No. 1....30@32c

Paints and Colors—

Barytes, Foreign, ₩ ton, $15.00@$18.00
Barytes, American Floated, ₩ ton $33.00@$38.00
Barytes, American, No. 1, ₩ ton, $9.00@$10.00
White Lead, American, Dry, in Bbls. ₩ lb....4¼@4¼c
White Lead, American, in Oil, ₩ lb....5¼@5¾c
White Lead, Foreign, in Oil, ₩ lb 6@7c
Litharge, Kegs, ₩ lb....5¼@5¼c
Zinc, American, Extra Dry, ₩ lb 3¾@4¼c

Putty—

In bbls. and half bbls....1¾@1¾
Putty in Bladders....1⅞@2
Putty in Tins....1¾@2¼

Spirits Turpentine—

In regular bbls....27½@—c
In machine bbls....27½@—c

Dry Colors—

Blue, Chinese....₩ lb 37 @40
Blue, Prussian....₩ lb 30 @35
Blue, Ultramarine..₩ lb 8 @25
Sienna, American, burnt....₩ lb 1¼@ 1½c
Sienna, American, raw....₩ lb 1¼@1½c
Umber, American, burnt....₩ lb 1¼@ 1½c
Umber, American, raw....₩ lb 1¼@ 1½c
Green, Chrome, Common....₩ lb 5 @12 c
Green, Paris, in bulk, ₩ lb 12 @15 c
Indian Red, American....₩ lb 2 @ 3 c
Indian Red, English....₩ lb 4½@9

Colors in Oil—

Black Coach Japan ₩ lb..18½@20
Black Coach Japan, in Oil....₩ lb 12 @13 c
Black Drop....₩ lb 7 @10 c
Black Lampblack...₩ lb 20 @33 c
Black Lampblack, common....₩ lb 7@15 c
Blue, Chinese....₩ lb 35 @40 c
Blue, Prussian....₩ lb 20 @40 c
Blue, Ultramarine..₩ lb 12 @18 c
Brown, Sienna, bur't ₩ lb 7 @10 c
Brown, Sienna, raw. ₩ lb 7 @10 c
Umber, burnt....₩ lb 7 @10 c
Umber raw....₩ lb 7 @10 c
Brown, Vandyke....₩ lb 7 @12 c

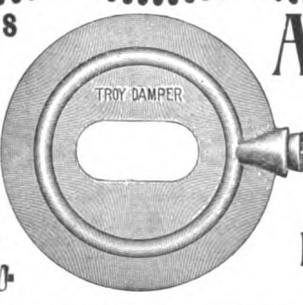
ORIGINATORS

MAKE THIS A STUDY.

Patentees and Sole Manufacturers,

TROY NICKEL WORKS,

TROY N. Y.



ALASKA STOVE HARDWARE.



STEEL DOOR HANGERS.

WRITE FOR PRICES ON

No. 1 Special and No. 2 Standard.

THEY WILL INTEREST YOU.

Also Track and Stay Rollers.

McKINNEY MFG. CO., - Allegheny, Pa.

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TURF NAILS, Nos. 1 to 5.



FRENCH HEADS, will fill any shoe punched or creased. Nos. 3 to 8.



REGULAR HEADS, Nos. 5 to 14



CITY HEADS, for shallow creased shoes, Nos. 5 to 9.



COUNTER HEADS or **FROST NAILS,** Nos. 5 to 9.



PUTNAM NAIL COMPANY

NEW DEPARTURE.

In consequence of the action of the National Hardware Association, we now propose to sell direct to the general jobbers of the country. . . . . .
All restrictions have been removed as to quotations to be made by the trade from ocean to ocean. . . . .
The high quality of the Putnam Nail makes it an easier seller at an advanced price over nails made by rolling and shearing. . . . . .
In case local dealer does not handle our goods, address

The Putnam Nail Co., Neponset, Boston, Mass.

235 Lake St., Chicago, Ill.
12-14 Drum St., San Francisco, Cal.

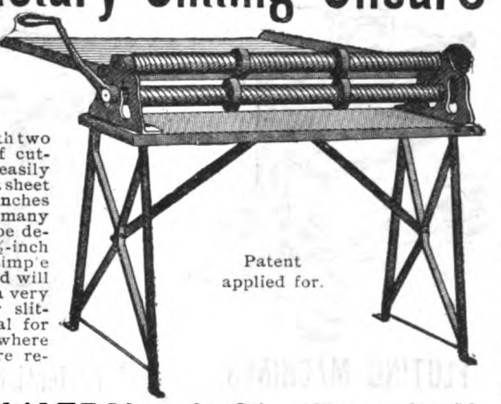
The Capital Gutter Former



is adapted to form gutter from 3 in. to 7 in. inclusive. The forming of the head and gutter is practically a continuous operation. Capacity 600 feet perfectly formed gutter per hour with two ordinary men or boys.

Mention HARDWARE.

The Rotary Slitting Shears



Patent applied for.

are provided with two or more pair of cutters which are easily adjusted to cut a sheet of metal 30 inches wide into as many strips as may be desired, from ½-inch and wider; is simple and durable, and will be found to be a very useful tool for slitting sheet metal for any purpose where long lengths are required.

For further information and prices address **WATROUS & CO., Troy, N. Y.**

HAS PROVED VERY SATISFACTORY.

Zenith Cycle Saddle Co., Philadelphia, Pa. [*Bicycle Saddles*]: We believe that the trade on bicycle sundries must drift to the Hardware trade, as being so much more reliable. Your paper must then prove the most reliable as an advertising medium. Our advertisement has proved very satisfactory.

FRANK W. GILBERT, Prest. O. C. EDWARDS, Treas.

Crescent Emery Mills Co.

MANUFACTURERS OF

EMERY & ABRASIVE MATERIALS.

EMERY WHEELS.
GRINDING MACHINERY.

OSCAWANA, N. Y.

NICKEL PLATING

LACQUERS,
CYANIDE POTASH,
NICKEL SALTS.

ESTAB. 1820. INCOR. 1891.
THE HANSON & VAN WINKLE Co.
OFFICE AND WORKS
NEWARK, N.J., U.S.A.
NEW YORK. CHICAGO.

TRIPOLI,
ROUGE,
BUFFS, & C.

OUTFITS

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Perforated Filter Press Plates.



THE HARRINGTON & KING PERFORATING CO. CHICAGO.

BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS. BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

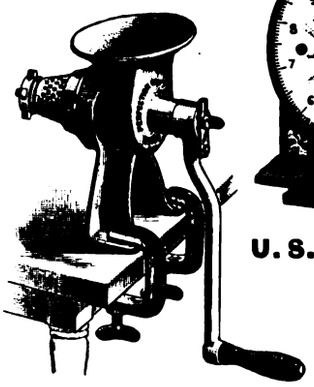
STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

Main Office and Works, No. 240 North Union St., Chicago, Ill., U. S. A. Eastern Office, No. 284 Pearl St., New York.

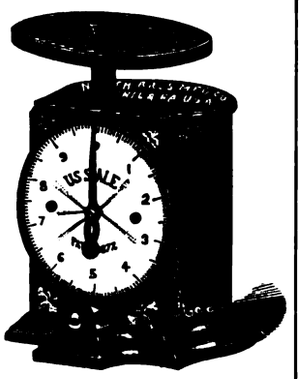
SEASONABLE SPECIALTIES.



FLUTING MACHINES.
"CROWN," "ORIGINAL KNOX," "AMERICAN."



"Perfection Cutter."



U. S. DIAL SCALES.

A Household Scale without loose weights, and arranged to balance pan or dish in weighing. Useful in household for weighing Sugar and fruits in preserving or canning, comparing weights of goods purchased, etc.

CATALOGUES AND PRICES SENT ON APPLICATION.

North Bros. Mfg. Co,

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Philadelphia, Pa.

Colwell Lead Co.

63 Centre St.
NEW YORK CITY.

Manufacturers of

LEAD PIPE
SHEET LEAD

American Standard

DROP **SHOT** BUCK

Also Wholesale Jobbers in

Wrought Iron Pipe, Cast Iron Soil Pipe, Water Closets, Brass Plumbing Goods, and everything else to plumb a house from cellar to garret.



RESERVOIR PUNCH

For Euchre and Whist Parties.

This Pocket catches the pieces punched from Tally Cards, thus preventing a littering of the carpet.
Is hinged, can be opened, emptied and closed in an instant.
Of great value to Railroads as it prevents the replacing of pieces punched out of monthly or commutation tickets.
Also valuable in Restaurants where punch tickets are used.

PATENT APPLIED FOR.

F. J. MATTISON, PATENTEE, 50 Warren Street, N. Y., U. S. A.

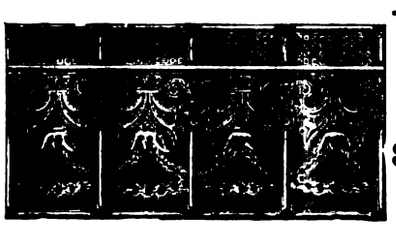
THEO. M. HASS,

MANUFACTURER OF

Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

Goods to Order a Specialty. Dies and Tools.

176 CENTRE STREET, (Opposite Earle's Hotel.) NEW YORK.



The Canton Steel Roofing Co., Canton, Ohio.

MANUFACTURERS,

STAMPED CEILINGS,

AND ALL KINDS OF

Sheet Metal Goods for Buildings,

Roof Paints, etc.

Best construction, quality and workmanship guaranteed.

A Valuable Medium.

Humber & Co., Westboro, Mass. [*Bicycles*]: From our limited observation we should consider HARDWARE a very valuable medium for advertising intended to reach the Hardware trade. It is interestingly made up, and we think could not fail to attract the readers in that line of business. We can readily understand that it would be a valuable medium for advertising certain lines of cycles and cycle sundries, adapted for sale to Hardware stores. . . .

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HARDWARE BUYERS' DIRECTORY.

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Ashtabula Tool Co., Ashtabula, Ohio.
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F. E. Kohler & Co., Canton, Ohio.
F. E. Myers & Bro., Ashland, Ohio.
Nickels & Nutting Co., New York.
Underhill, Clinch & Co., New York.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Anti-Rattler.
Fernald Mfg. Co., North East, Pa.

Anvils
Van Wagoner & Williams Hardware Co., New York and Cleveland, Ohio.

Apple Parers.
Goodell Company, Antrim, N. H.
Reading Hardware Co., Reading, Pa.

Architectural Iron Works.
Stewart Iron Works, Cin'nati, O.

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Alfred Field & Co., New York.
Hartley & Graham, New York.
Remington Arms Co., New York.
Union Metallic Cartridge Co., Bridgeport Conn.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Awning Frames.
Stewart Iron Works, Cin'nati, O.

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Bruce & Cook, New York.

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Schwerdtle & Siebert, Bridgeport, Conn.

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Royal Polished Steel Roaster Co., Troy, O.

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Brown Brothers & Co., New York.

Barb Wire.
Fuller Bros. & Co., New York.
Salem Wire Nail Co., Salem, O.

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Peru Electric Mfg. Co., Peru, Ind.

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Eynon & Son, Philadelphia.
North Bros. Mfg. Co., Philadelphia.

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Climax Bell Co., Boston, Mass.
John H. Graham & Co., New York.
N. N. Hill Brass Co., East Hampton, Conn.
New Departure Bell Co., Bristol, Conn.
Ohio Electric Works, Cleveland, Ohio.
Joseph Osterman & Co., Manayunk, Pa.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
Curtis Machine Co., Milan, O.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.
Rossendale-Reddaway Belting Co., Newark N. J.
See Rubber Belting.

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Frei Hawley, New York.
Lawn Cycle Stand Co. Morristown, N. J.
A. J. Phillips Co., Fenton, Mich.

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Hall & Downing, New York.
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Lawn Cycle Stand Co., Morristown, N. J.
Martin & Gibson Mfg. Co., Buffalo, N. Y.
Miami Cycle & Mfg. Co., Middletown, Ohio.
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New York Belting & Packing Co., Ltd., New York.
Ohio Electric Works, Cleveland, Ohio.
Joseph Osterman & Co., Manayunk, Pa.
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Pope Mfg. Co., Boston.
Pope Tube Co., Hartford, Ct.
Remington Arms Co., New York.
Sickels & Nutting Co., New York.
Sager Mfg. Co., Rochester, N. Y.
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Bicycle Step Ladder Co. Chicago.

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Stanley Works, New Britain Ct.
Wrightsville Hdwe. Co., Wrightsville, Pa.

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Bridgeport Gun Implement Co., Bridgeport, Conn.

Blacksmith's Outfits.
Holroyd & Co., Waterford, N. Y.

Blast Borges.
Piper & Peck Mfg. Co., New Haven, Ct.

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Hartman Sliding Blind Co., Crestline, O.

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See Tackle Blocks.

Blow Torch.
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Bruce & Cook, New York.
Isaac Church, Toledo, Ohio.
Steward & Romaine Mfg. Co., Philadelphia.

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Geo. F. Taylor's Sons, New York.

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Atlas Mfg. Co., New Haven, Conn.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.

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Waterbury Brass Co., New York

Brass, Perforated.
Harrington & King Perforating Co., Chicago.

Brass Signs.
Schwerdtle & Siebert, Bridgeport, Conn.

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Buchel Brush Novelty Co., New Orleans, La.

Buffing Wheels.
Divine Bros., Utica, N. Y.

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Sprague Umbrella Co., Norwalk, Ohio.

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Norwalk Lock Co., outh Norwalk, Conn.
Russell & Erwin Mfg. Co., New York.
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Sargent & Co., New York.
Stanley Works, New Britain, Ct.

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Reading Hardware Co., Reading, Pa.

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Bommer Bros., Brooklyn, N. Y.

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Athol Machine & Tool Co., Athol, Mass.
Darling, Brown & Sharpe, Providence, R. I.

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Charles Morrill, New York

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Bissell Carpet Sweeper Co., Grand Rapids, Mich.; New York.

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Coates Clipper Manufacturing Co. Worcester, Mass.
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Harrington & King Perforating Co., Chicago.

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Crayon.
Jos. Dixon Crucible Co., Jersey City, N. J.

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E. T. Barnum, Detroit, Mich.

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Sargent & Co., New York.

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Stewart Iron Works, Cin'nati, O.

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Curt's & Curtis, Bridgeport, Conn.
Kearney & Foot Co., New York.
Silver Mfg. Co., Salem, Ohio.
Standard Tool Co., Cleveland, O.
Whitman & Barnes Mfg. Co., New York, Cincinnati, Chicago, Kansas City.

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Silver Mfg. Co., Salem, Ohio.

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Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
J. G. Speidel, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

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John H. Graham & Co., New York.
Peru Electric Mfg. Co., Peru, Ind.
Union Electric Co., Cleveland, O.

Elevators.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
J. G. Speidel, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

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Harrington & King Perforating Co., Chicago.

Emery.
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Hanson & Van Winkle Co., Newark, N. J.

Emery Paper.
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Emery Wheels.
Crescent Emery Mills Co., Oscawana, N. Y.
New York Belting & Packing Co., Ltd., New York.

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Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

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Waterbury Brass Co., New York.

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John Sommer's Son, Newark, N. J

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Standard Fiber-Ware Co., Mankato, Minn.

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Henry Disston & Sons, Phila., Pa.
Alfred Field & Co., New York.
Hammacher, Schlemmer & Co. New York.
Kearney & Foot Co., New York.
Sickels & Nutting Co., New York.

Filteration Quartz.
New England Filteration Co., Boston.

Filters.
J. H. Seed, New York.
N. A. Watson, Erie, Pa.

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Stewart Iron Works, Cin'nati, O.

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Enterprise Mfg. Co., Akron, Ohio.

Flat Ware.
See Plated Ware.

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E. T. Barnum, Detroit Mich.
Gilbert & Bennett Mfg. Co., N. Y., Chicago, Georgetown, Conn.

Fluting Machines.
North Bros. Mfg. Co., Philadelphia.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading Pa.

Fronts for Buildings, Iron.
Stewart Iron Works, Cin'nati, O.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Fruit Presses.
Logan & Strobridge Iron Co., New Brighton, Pa.

Furnaces.
Clayton & Lambert Mfg. Co., Ypsilanti, Mich.
Primus Cooking & Heating Apparatus Co., New York.

Garden Tools.
Cleveland Lawn Weeder Co., Cleveland, Ohio.
F. E. Kohler & Co., Canton, Ohio.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., New York.

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H. O. Canfield, Bridgeport, Conn.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.

Gate, Latch and Hinge.
Burr & Houston Co., Brooklyn, N. Y.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Gauge, Butt.
Stanley Rule & Level Co., New Britain, Conn.

Gears.
T. F. Welch & Co., Boston.

Glass Cutters.
W. L. Barrett, Bristol, Conn.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.
J. D. Johnston, Newport, R. I.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grating, Iron.
Stewart Iron Works, Cin'nati, O.

Grindstones.
Cleveland Stone Co., Cleveland.

Gunpowder.
E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York.

Gun Implements.
Bridgeport Gun Implement Co., New York.
Bartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammers.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
Miner & Peck Mfg. Co., New Haven, Conn.
Arthur R. Robertson, Boston.
The Scranton & Co., New Haven, Conn.
Waterburry Farrel Foundry & Machine Co., Waterbury, Conn.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Handles.
Berger Bros., Philadelphia.
Knapp & Pratt Mfg. Co., Geneva, Ohio

Hangers, Coat and Hat.
Cronk Hanger Co., Elmira, N. Y.

Hangers, Door.
Darling, Brown & Sharpe, Providence, R. I.
Cronk Hanger Co., Elmira, N. Y.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N. Y.
McKinney Mfg. Co., Allegheny, Pa.
Van Wagoner & Williams Hdwe. Co., New York and Cleveland.

Hangers, Window and Screen.
Phenix Mfg. Co., Milwaukee, Wis.

Hardware Dealers, Agents, Etc.
John H. Graham & Co., New York.
Marten & Partner, Toronto, Can.
Russell & Erwin Mfg. Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Arcade Mfg. Co., Freeport, Ill.
Berger Bros., Philadelphia.
Bruce & Cook, New York.
Buchel Brush Novelty Co., New Orleans, La.
Ennis Specialty Co., Troy, N. Y.
Enterprise Mfg. Co., Philadelphia.
Alfred Field & Co., New York.
Griswold Mfg Co., Erie, Pa.
Hammacher, Schlemmer & Co., New York.
Hastings & De Baun, New York.
T. W. Houchin, New York.
A. N. Jacob, New York.
Knapp & Pratt Mfg. Co., Geneva Ohio.
F. E. Kohler & Co., Canton, Ohio.
Marten & Partner, Toronto, Can.
National Specialty Co., Philadelphia.
North Bros. Mfg. Co., Philadelphia.
Charles Morrill, New York.
Pelouze Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.
Charles Weiland, New York.
T. F. Welch & Co., Boston.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Harness Snaps.
Covert Mfg. Co., West Troy, N. Y.

Hasps.
McKinney Mfg. Co., Allegheny, Pa.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Heaters.
C. R. Meres Heater Mfg. Co. Norwalk, O.

Hinges.
Bommer Bros., New York.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New York.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Hitching Posts.
Ohio Metal Co., Norwalk, Ohio.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.
J. G. Speidel, Reading, Pa.

Horse Nails.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co. Neponset, Mass.

Hose Couplings.
Clayton & Lambert Mfg. Co., Ypsilanti, Mich.
King & Knight, Boston.

Hose Menders.
Clayton & Lambert Mfg. Co., Ypsilanti, Mich.
King & Knight, Boston.
F. E. Kohler & Co., Canton, Ohio.

Hose Pipe.
King & Knight, Boston.
New York Belting & Packing Co., Ltd., New York.
Rossendale-Reddaway Belting & Hose Co., Newark, N. J.

Hose Reels.
Hartzell Novelty Works, Alliance, Ohio.
King & Knight, Boston.

Hose, Rubber.
King & Knight, Boston.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York
Enterprise Mfg. Co., Philadelphia.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
Logan & Strobridge Iron Co., New Brighton, Pa.
North Bros. Mfg. Co., Philadelphia.
Wm. T. Wood & Co., Arlington, Mass.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Ink.
Barnes National Ink Co., New York and Philadelphia.

Insurance.
Mutual Life Insurance Co. New York.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Jail Work.
Stewart Iron Works, Cin'nati, O.

Japanning.
C. H. Angus, Albany, N. Y.

Kraut Cutter.
National Saw Co., Newark, N. J.

Ladders.
Bicycle Step Ladder Co., Chicago.
Indiana Ladder Co., Indiana, Pa.

Lamps.
Ohio Electric Works, Cleveland, Ohio.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lanterns.
Buhl Stamping Co., Detroit, Mich.

Lathes.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.

Lathing, Metallic.
George Hayes, New York.

Lawn Fountains.
E. T. Barnum, Detroit, Mich.
F. E. Kohler & Co., Canton, Ohio.

Lawn Mowers.
Clipper Lawn Mower Co., Norristown, Pa.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Enterprise Mfg. Co., Philadelphia
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
F. E. Kohler & Co., Canton, Ohio.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
King & Knight, Boston.
F. E. Kohler & Co., Canton, Ohio

Lawn Weeders.
Cleveland Lawn Weeder Co., Cleveland, Ohio.

Lead.
Bruce & Cook, New York
Colwell Lead Co. New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Lemon Squeezers.
Berger Bro., Philadelphia.
John H. Graham & Co., New York
Logan & Strobridge Iron Co., New Brighton, Pa.
John Sommer's Son, Newark, N. J.

Levels.
Akron Level Works, Akron, O.
Tower & Lyon, New York.

Locks and Knobs.
Ames Sword Co., Boston.
Brass Goods Mfg. Co., Brooklyn, N. Y.

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Champion Safety Lock Co., Cleveland, O.
John H. Graham & Co., New York.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York and New Haven, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Machinery.
Athol Machine Co., Athol, Mass.
Crescent Emery Mills Co., Oscawana, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Seneca Falls Mfg. Co, Seneca Falls, N. Y.
The Scranton & Co., New Haven, Conn.
Vieillard & Osswald, Brooklyn, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.
Watrous & Co., Troy, N. Y.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y
T. F. Welch & Co., Boston

Mail Boxes
W. C. Heller & Co., Montclair, N. J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.
North Bros. Mfg. Co., Philadelphia.

Mechanical Rubber Goods.
New York Belting & Packing Co., Ltd., New York.

Metal Ceilings.
Canton Steel Roofing Co., Canton, Ohio.
S. Keighley & Co., Pittsburg, Pa.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
Joseph Dixon Crucible Co., Jersey City, N. J.
John Chatillon & Sons, New York.
Meyers' Putz Pomade Co., Boston.

Milk Cans.
Buhl Stamping Co., Detroit, Mich.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Mirrors, Window.
Bayer & Co., Philadelphia.

Mixers.
Eynon & Sons, Philadelphia.

Model Making.
Schwerdtle & Siebert, Bridgeport, Conn.
T. F. Welch & Co., Boston.

Mops.
Matchless Mop Wringer Co., Canton Ohio

Mop Wringers.
Matchless Mop Wringer Co., Canton, Ohio.

Moulds.
Schwerdtle & Siebert, Bridgeport, Conn.

Mucilage.
Barnes National Ink Co., New York and Philadelphia.

Nails.
Bruce & Cook, New York.
Fuller Bros. & Co., New York.
F. E Kohler & Co., Canton, Ohio.
Rockford Tack Co., Rockford, Ill.
Salem Wire Nail Co., Salem, O.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Nail Pullers.
The Scranton & Co., New Haven, Conn.

Nail Sets.
John H. Graham & Co., New York.
Storm Mfg. Co., Newark, N. J.

Nippers.
Charles Morrill, New York.

Office Railings.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cups.
Kendrick Valve & Washer Co., Syracuse, N. Y.

Oilers.
Cushman & Denison, New York.
Tower & Lyon, New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Iron Work.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Packing.
Gould Packing Co., East Cambridge, Mass.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Canton Steel Roofing Co., Canton, Ohio.
William Connors, Troy, N. Y.
Jos. Dixon Crucible Co., Jersey City, N. J.

Patent Solicitors.
Dyer & Driscoll, New York.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Cutters.
Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
Stanley Rule & Level Co., New Britain, Conn.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.
Niagara Silver Co., Niagara Falls, N. Y.
Upson & Hart Co., Unionville, Ct.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Pliers.
Cronk Hanger Co., Elmira, N. Y.

Plumbers' Furnaces.
Primus Cooking & Heating Apparatus Co., New York.

Police Equipments.
Tower & Lyon, New York.

Polish.
John Chatillon & Sons, New York.
Joseph Dixon Crucible Co., Jersey City, N. J.
Meyers' Putz Pomade Co., Boston.
J. L. Prescott & Co., New York.

Post Hole Diggers.
John H. Graham & Co., New York.
F. E Kohler & Co., Canton, Ohio.

Poultry Netting.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.

Power Hammers.
The Scranton & Co., New Haven, Conn.

Power Presses.
Vieillard & Osswald, Brooklyn, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Vieillard & Osswald, Brooklyn, N. Y.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Prismatic Sidewalks.
Stewart Iron Works, Cin'nati, O.

Pulleys.
F. E. Myers & Bro., Ashland, Ohio.
Ney Mfg. Co., Canton, Ohio.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Pumps.
Barnes Mfg. Co, Mansfield, Ohio.
Canton Pump Co, Canton, O.
Chase Pump & Mfg. Co., Columbus, Ohio.
F. E. Myers & Bro., Ashland, O.
Pittsburgh Pump Co., Pittsburgh Pa.
St. Joseph Pump Mfg. Co., St. Joseph, Mo.

Punches.
F. J. Mattison, New York.
Charles Morrill, New York.

Punching and Shearing Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Radiator Deflectors.
Clark Hot Air Deflector Co., Akron, O.
J. Rutherford & Son, Akron, Ohio.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Stewart Iron Works, Cin'nati, O.

Rails, Barn Door.
McKinney Mfg. Co., Allegheny, Pa.

Raisin Seeders.
Enterprise Mfg. Co., Philadelphia.

Rakes.
John H. Graham & Co, New York.
F. E Kohler & Co., Canton, Ohio.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
P. J. Conroy & Co., Philadelphia

Reels.
Hartzell Novelty Works, Alliance, Ohio.
King & Knight, Boston.

Rivets.
Bruce & Cook, New York.

Rollers.
Fulton Machine Co., Canal Fulton, O.

Roller Skates.
Tower & Lyon, New York,
Union Hardware Co., Torrington Conn., and New York.

Roofing and Roofers' Supplies.
Canton Steel Roofing Co., Canton, Ohio.
Berger Bros., Philadelphia.
L. D. Berger, Philadelphia.
Berger Mfg. Co., Canton, O.
Watrous & Co., Troy, N. Y.

Roof Trusses, Iron.
Stewart Iron Works, Cin'nati, O.

Rubber Belting.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rules.
Athol Machine Co. Athol, Mass.
Darling, Brown & Sharpe, Providence, R. I.

Saddles.
Butler & Ward, Newark, N. J.
Harris Toy Co., Toledo, Ohio, and New York.
Sager Mfg. Co., Rochester, N. Y.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
C. E Jennings & Co, New York.
National Saw Co., Newark N. J.
Wm. T. Wood & Co., Arlington, Mass.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Sets.
F. E. Kohler & Co., Canton, Ohio.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
North Bros. Mfg. Co., Philadelphia.
Pelouze Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.
Wm. T. Wood & Co., Arlington, Mass.

Scrapers, Wheel.
Sidney Steel Scraper Co., Sidney, O.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co. Georgetown, Conn, New York Chicago.
A. J. Phillips Co., Fenton, Mich.
Sickels & Nutting Co., New York.

Screws.
Harvey Hubbell, Bridgeport, Ct.
Sickels & Nutting Co., New York.

Screw Cutting Tools.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
Tower & Lyon, New York.
Tuck Mfg. Co., Brockton, Mass.

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Screw Plates.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
Seymour Cutlery Co., Holyoke, Mass.
Watrous & Co., Troy, N. Y.
J. Wiss & Sons, Newark, N. J.

Sheet Brass.
Waterbury Brass Co., New York.

Sheet Steel.
Dunbar Bros., Bristol, Conn.

Shelf Boxes.
W. C. Heller & Co., Montclair, N. J.
Henry H. Sheip & Co., Philadelphia.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Niagara Silver Co., Niagara Falls, N. Y.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Single Tube Tires.
New York Belting & Packing Co., New York.

Sink Cleaners.
John W. Sudlow, Brooklyn, N. Y.

Skates.
John H. Graham & Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Skylights.
George Hayes, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Smoke Pipe Registers.
Ferrosteel Co., Cleveland, Ohio.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Solder.
Bruce & Cook, New York.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Speaking Tubes.
Owen Walsh, New York.

Spelter.
Bruce & Cook, New York.

Spoke Shaves.
Stanley Rule & Level Co., New Britain, Conn.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
Dunbar Bros., Bristol, Conn.
Miller & Van Winkle Co., Brooklyn, N. Y.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brookton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Stairs, Iron.
Stewart Iron Works, Cin'nati, O

Stamps.
Schwerdtle & Siebert, Bridgeport, Conn.

Staples.
Salem Wire Nail Co., Salem, Ohio
Geo. W. Stanley & Co. Belleville, Ill.

Statuary.
E. T. Barnum, Detroit, Mich.

Steel Goods.
Canton Steel Roofing Co., Canton, Ohio.
Finished Steel Co., Youngstown, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Conn.

Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Steel Traps.
Oneida Community, Kenwood, N. Y.

Stencils.
Schwerdtle & Siebert, Bridgeport, Conn.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Indiana Ladder Co., Indiana, Pa.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Holroyd & Co., Waterford, N. Y.

Store Fixtures.
Hartzell Novelty Works, Alliance, Ohio.

Stoves.
T. W. Houchin, New York.
Primus Cooking & Heating Apparatus Co., New York.

Stove Mittens.
Diamond Hardware Co., Boston.
Paras & Paras, Troy, N. Y.

Stove Polish.
Joseph Dixon Crucible Co., Jersey City, N. J
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co.' Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Structural Iron Work.
Stewart Iron Works, Cin'nati, O.

Tackle Blocks.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Ney Mfg. Co. Canton, Ohio.
Union Hardware Co., Torrington, Conn

Tacks.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tack Pullers.
Higgins Mfg. Co, Boston.

Tape Measures.
Waterbury Brass Co., New York.

Tapping Machines.
Harvey Hubbell, Bridgeport, Ct.

Taps and Dies.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Tap Wrenches.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Targets.
Cleveland Target Co., Cleveland, Ohio.

Telephones.
Union Electric Co., Cleveland, O.

Tiling.
New York Belting & Packing Co., Ltd, New York.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tires Rubber.
New York Belting & Packing Co., New York.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Hammacher, Schlemmer & Co. New York,
Th. M. Hass, New York.
Holroyd & Co., Waterford, N. Y.
Harvey Hubbell, Bridgeport Ct.
Standard Tool Co., Cleveland, O.
Stanley Rule & Level Co., New Britain Conn.
Tuck Mfg. Co., Brockton, Mass.
Underhill, Clinch & Co., New York.

Traps.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
John H. Graham & Co., New York.
Oneida Community, Kenwood, N. Y.
Smith & Egge Mfg. Co., Bridgeport, Ct.

Trowels.
F. E. Kohler & Co., Canton, Ohio.
National Saw Co., Newark, N. J.

Trucks, Store.
Boston & Lockport Block Co., Lockport N. Y.
John Chatillon & Sons, New York.
John H. Graham & Co. New York.
Sidney Steel Scraper Co., Sidney, Ohio.

Trucks, Stove.
Barnes Mfg. Co., Mansfield, O.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Tubing.
New York Belting & Packing Co., Ltd., New York.
Pope Tube Co., Hartford, Conn.

Turnbuckles.
Merrill Bros., Brooklyn, N. Y.

Valves.
Berger Bros., Philadelphia.
Kendrick Valve & Washer Co., Syracuse, N. Y.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Varnishes.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scotland.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
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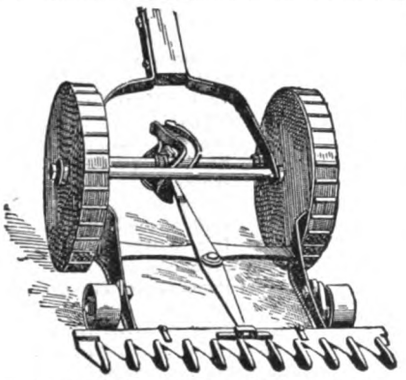


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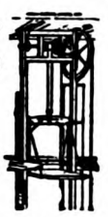
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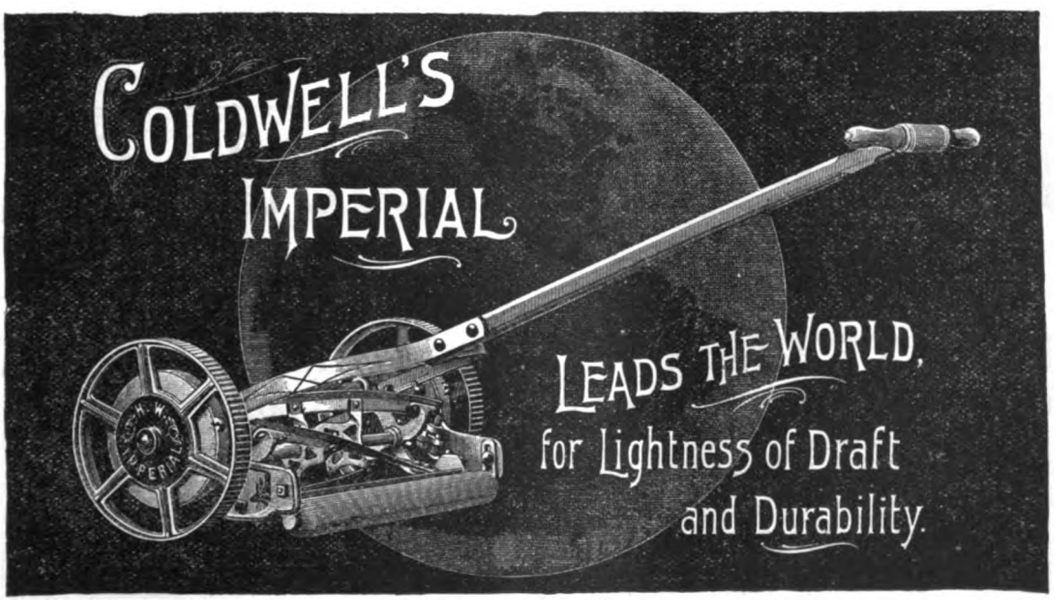
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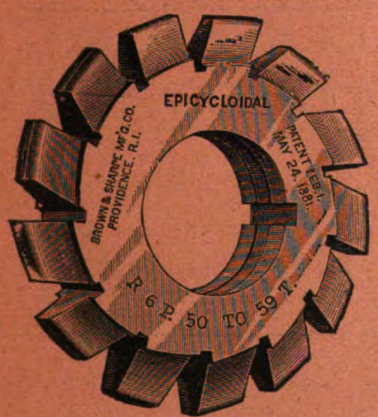
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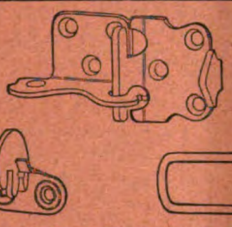
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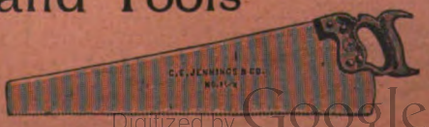
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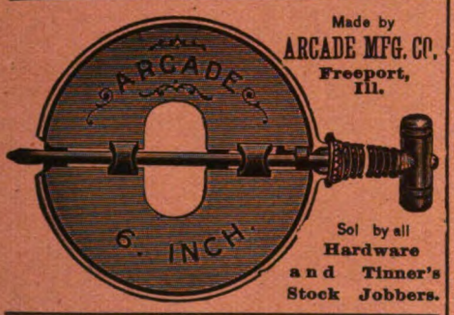
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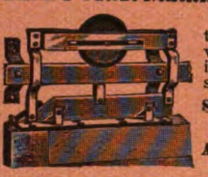
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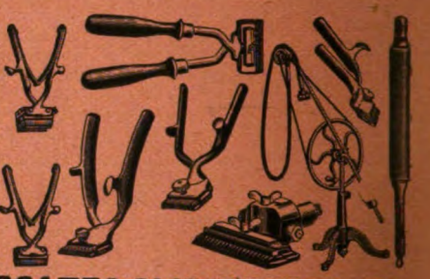
Patent Sewed Buffs.

The finest in the world.

We are the largest manufacturers of Buffs in the United States. . .

Write for Catalogue and prices.

DIVINE BROTHERS,
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COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

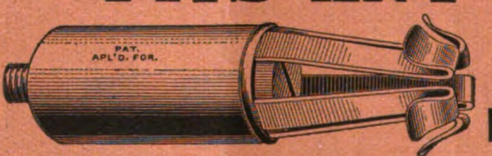
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COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

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FITS ANY GAUGE.



Price, 75 cents.

THE

Favorite Gun Cleaner

Removes thoroughly all deposit from gun barrels without injury.

SEND FOR SAMPLE.

The Bridgeport Gun Implement Co., *313-315 Broadway, New York City.*

BARRETT'S PRACTICAL GLASS CUTTERS



Eighteen Different Styles. None Better Made. For Cutting Glass Tubes, Circular or Straight Work.

WRITE FOR PRICES.

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WITH THIS SCREW LADIES CAN DRAW TIGHT CORKS EASILY.

WILLIAMSON'S

HAND POWER CORK SCREW,

Pulls the Cork out of the Bottle.

DIRECTIONS FOR USE:

KEEP ON TURNING, DO NOT PULL.

No. 7042, Bronze Cup, Maple Handle $3.00 per doz.
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For Discounts and other Styles send for Catalogue.

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NEWARK, N. J.

Manufacturers of Wire Specialties for the Trade.

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LAFLIN & RAND

W.-A.

SMOKELESS

ABSOLUTELY UNIFORM, IMPERVIOUS TO MOISTURE, OR

Orange Extra Sporting,

IN USE SINCE 1808.

LAFLIN & RAND POWDER COMPANY

Mfgrs. of Black and Smokeless Sporting and Military Powders,

New York, Chicago, Buffalo, Baltimore, Nashville, Pittsburg, New Orleans, Denver, Pottsville.



CHAS. J. STEBBINS.

103 Reade Street.

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Iron & Steel Cut Nails

STEEL WIRE NAILS.

A Large Stock Constantly on hand for Immediate Shipment.

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Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

Du Pont's Choke Bore.
Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

Du Pont's Rifle.
For general shooting, either in muzzle or breech loaders.

"V. G. P." NEW TRAP POWDER. "V. G. P."
A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

Du Pont's Smokeless Powder.
Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

MILITARY POWDER and GUN COTTON
Of a quality to meet requirements of U. S. Army and Navy.

MINING AND BLASTING POWDER.

—Send Postal for Illustrated Catalogue.—

Meyers' Putz Cream Liquid Metal Polish



Unsurpassed for imparting a brilliant polish to

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TRY IT

It is particularly valuable for

Harness and Door Trimmings

As it leaves no stains or discolorations. Samples, advertising matter and electrotypes gratis.

Prices and Sizes:

¼ pint cans	(2 doz. in case)		$1.80	per doz.
½ "	3 "	"	3.00	"
1 "	2 "	"	6.00	"
1 quart can	2 "	"	10 80	"
½ gal.	"		18.00	"
1 "	"		36.00	"

Order as originally packed and get best discounts.

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"OLD JOB JOHNSON'S."



The Best Gate,

Latch and Hinge

EVER MADE.

The Years Have Proved Their Value

Their One Fault :

They Won't Wear Out!

Simple, Durable and Cheap. Arranged to work without any spring, on its own Automatic principles. Send for descriptive circular and prices.

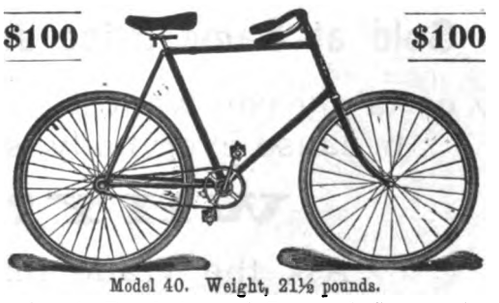
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COLUMBIA BICYCLES.

$100 $100



Model 40. Weight, 21½ pounds.

Leading in Popularity and Improved Construction.

Unequalled—Unapproached.

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SHOULD BE IN THE STOCK OF ALL HARDWARE DEALERS

3000 SHEET ROLLS. SATIN FINISH FINEST QUALITY. RETAILS FOR $1.00 PER CASE.

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MANUFACTURERS OF



Drag and Wheel Scrapers, Wheelbarrows and Trucks.

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WATERBURY BRASS CO.,

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. . Manufacturers of . .

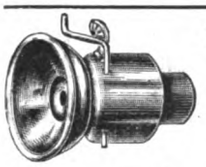
Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

PERCUSSION CAPS OF ALL KINDS.

Hicks Primers, Berden Primers, Powder Flasks and Shot Pouches.

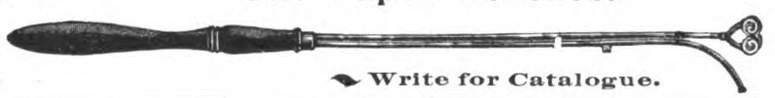
TAPE MEASURES,

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

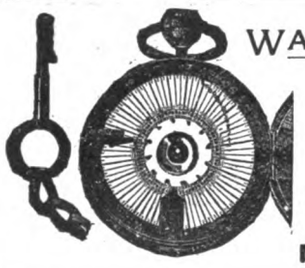


OWEN WALSH, 117 Walker Street, New York City.

Speaking Tube Materials, Gas Taper Torches.



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HAHN'S LATEST IMPROVED

WATCHMANS' TIME DETECTOR,

WITH SAFETY LOCK ATTACHMENT.

Highest Award at Columbian Exposition.

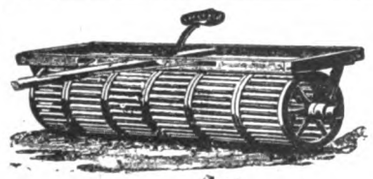
This Clock is neat, thoroughly reliable and very durable. **Cannot be tampered with.** Price moderate. Is adapted for six or twelve stations, having a different key for each. Registering is done by number from 1 to 6 and 1 to 12, each station having its number. No chance for a fraudulent record here. Old style detectors mark by holes or an impression on dial, the same for all stations. Allowance made for old Detectors. Send for circulars, prices and further particulars.

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"ERIE" ALUMINUM

For Christmas "ERIE" ALUMINUM, The Finest Ware. GRISWOLD MFG. CO., Erie, Pa.



Cyclone Pulverizer.

The Greatest Seller known. Actually Sells on Sight. The only Pulverizer sent on approval and trial. See it and you will sell it. See also our IRON KING and LEADER STEEL ROLLER. Best line of Rollers made.

The Fulton Machine Co., Sta. B, Canal Fulton, O.

PHILLIPS SCREENS

Are Reliable.

It's the Only STEEL TRAY

Sold at Same Price as Wood.

Why certainly you want it, because everybody is buying it.

WHY?

Ask the Trade that has had it.

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THE SIAMESE TWINS

In the making of garden hose the labor cost is practically the same for all grades—it's the material cost that varies and raises or lowers the price of the finished article. And, as the strength and life of hose depend on the material used, the quality of this material determines the service of the hose as well as its price. These two, service and price, are the Siamese Twins of rubber manufacture—you can't separate them, you can't even think of one without involving the other. That's why "cheap" hose is never cheap—the same cause that lowers the price lowers the service. And after all, isn't hose intended to work, and isn't the kind that works best sure to win? **We think so and build our line of garden hose on that principle. Ten brands and each with some special merit.**

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PIONEERS AND LEADERS, 25 PARK PLACE.

ECONOMIZE.

SHELF BOXES { MADE TO ORDER. ESTIMATES FURNISHED.

HENRY H. SHEIP & CO.,

Columbia Ave. and Randolph St.,

PHILADELPHIA.



DIXON'S
Carpenters' Pencils
DIXON'S
Lumbermens' Crayons

Are salable goods for any Hardware Dealer and carry with them a good profit.

Have you our new Production Catalogue? It is sent free of charge.

Jos. Dixon Crucible Co., Jersey City, N. J.



Smoke Pipe Register (Black) with White Ceiling Plate.

Indian Design Patented.

Showing Removable Cap for use when Smoke Pipe is taken down.

Please write for "BLUE BOOK FOR THE REGISTER TRADE."

Registers made of Ferrosteel are noted for Strength, High Finish and Excellent Workmanship.

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A GOOD THING.

IT'S IN THE TEETH.

The Patent "REFORM" Curry Comb is composed of three shallow, oval trays, with corrugated edges. The parts are struck up from a fine grade of cold rolled steel, heavily tinned and bronze lacquered, firmly riveted together and warranted not to rust. The outer dimensions are 6½x4¼ inches and by reason of the large cleaning surface and peculiar arrangement of teeth, the comb will do its work with a large saving of time and labor, cleaning with equal thoroughness both long and short coats. There are no places to accumulate hair and it will not tear or injure the brush, the comb being quickly freed from accumulation by giving its face a gentle tap.



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SOLE MANUFACTURERS,

North Eleventh and Berry Sts., BROOKLYN--GREATER NEW YORK

Are You Interested



Price, $30.

Is your cash receipts? Are you inclined to increase your profits?

It is safe to assume that every sane business man is; therefore, let us send you circular describing our Star Cash Register, a handsome and durable machine that will register any sum from one cent to ten dollars, and enable you to keep a record of each sale that can be relied upon as being absolutely correct.

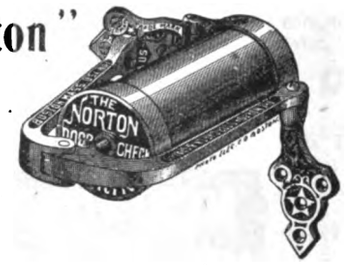
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RELIANCE REGISTER WORKS,

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THE "Norton"

Address 505 SEARS BUILDING, BOSTON, MASS.

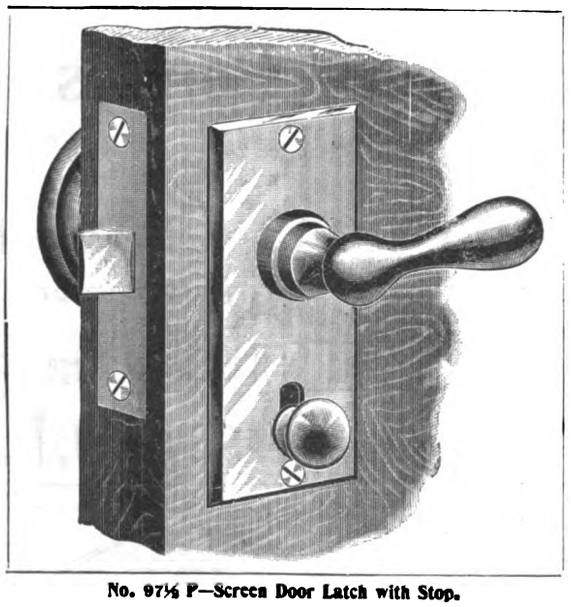


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A Good Seller.

DOOR-CHECK and Spring.

WRITE FOR PRICES.



No. 97½ P—Screen Door Latch with Stop.

NORWALK LOCK CO.,

Manufacturers of **Builders' Hardware,**

Factory and General Offices,

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SALESROOMS:

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The Mutual Life Insurance Company

OF NEW YORK,

RICHARD A. McCURDY, President,

Is the Largest Insurance Company in the World.

The Records of the Insurance Department of the State of New York SHOW THAT The Mutual Life

Has a Larger Premium Income,	($39,000,000)
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And Pays More to Policy-holders,	($25,000,000 in 1896.

THAN ANY OTHER COMPANY.

It has paid to Policy-Holders since its organization in 1843, ($437,005,195.29)

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WILLIAM J. EASTON, - - - - Secretary.

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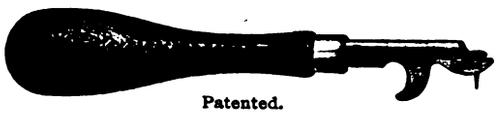
It Leads them all. . .

Our '78 Apple Parer is known everywhere as the Standard parer. Other celebrated parers are:

'72 Apple Parers,
"Baldwin" Apple Parers,
"Advance" Parer, Corer and Slicer.

NEW YORK, PHILADELPHIA, CHICAGO.

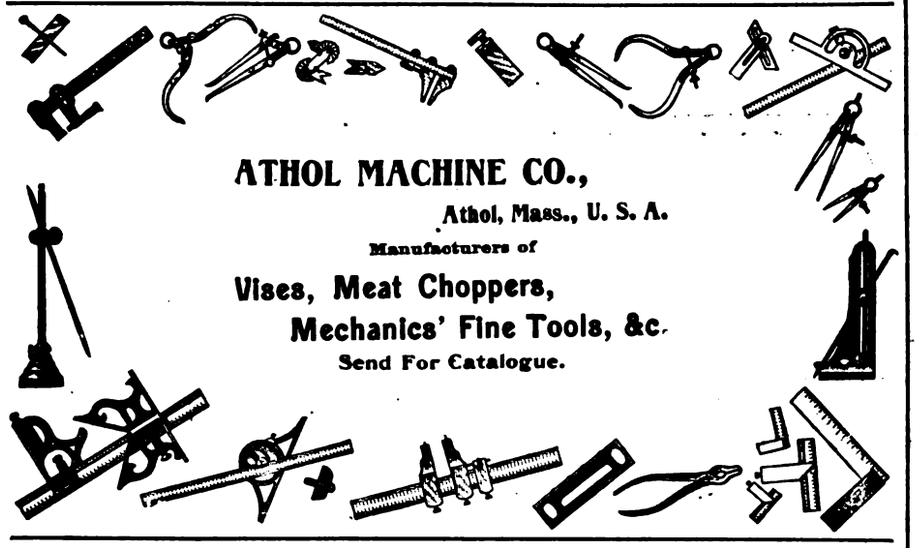
"Happy Thought" Tack Puller.



Patented.

Made of polished steel. Will pull all size tacks, and the construction and shape makes it easy to pull the tack without breaking the heads off. The bottom hook which serves as the lever in drawing the tack is also convenient to lift the carpet from the floor. One trial will prove that the "Happy Thought" is the best. The price, 10 cents brings it in reach of all. For sale by all leading Hardware dealers. This is a fine seller, and we will send a sample to the trade on receipt of a two-cent stamp. Manufactured by the

HIGGINS MANUFACTURING CO., 159 Pearl St, BOSTON, MASS.



ATHOL MACHINE CO.,

Athol, Mass., U. S. A.

Manufacturers of

Vises, Meat Choppers, Mechanics' Fine Tools, &c.

Send For Catalogue.

Successors to Shepard Hardware Co. of Buffalo, N. Y.

In Blind, Shutter and Gate Hinges, Gate Latches, Frame Axle Pulleys, No. 25 Niagara, No. 26 Star, No. 30 IXL., No. 60 Square End, No. 35 Acme solid case with markers, and the Gem Machine Pulley from 1 3-4 in. to 2 1-2 in.

We also manufacture——

Stenger's Patent Self-Locking "Noiseless Blind Hinge," Christman's Shutter Lock and Bower, Furniture Casters, Shelf Brackets Plain and Rosette, Plumbers Brackets, Nickel Plated and Plain, Hay Fork Pulleys, Well Wheels, Grindstone Fixtures, Nail Hammers, Claw and Shingling Hatchets, Toy Hammers and Hatchets, Toy Sad Irons and Stands, Jackstones in Boxes or Bulk, &c.

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WRIGHTSVILLE HDWE. CO., Wrightsville, York Co Pa.



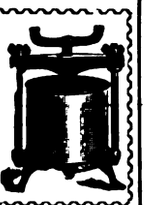
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IS THE BEST.

Strong and Substantial. Quick Acting.

TINNED ALL OVER.

LOGAN & STROBRIDGE IRON CO., New Brighton, Pa.



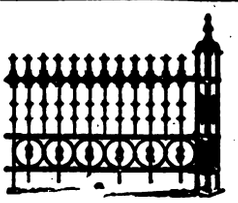
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We furnish first-class work at prices that bring the trade. Write for Catalogues, Prices and Terms

The Stewart Iron Works,

CINCINNATI, O.

Manufrs of Iron Fence, Jails, Architectural and Ornamental Iron Work.



IRON FENCES OF ALL KINDS



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Fire Escapes, Wire Fencing, Bank & Office Railings, Stable Fixtures, Roof Cresting, and all kinds of Wire and Iron Work.



Reservoir Vases.

Lawn and Park Settees, Fountains, Statuary, and Lawn Furniture of every description.

E. T. BARNUM,
Detroit, Mich.

Mention this paper. Agents wanted.

FAMILY GRINDSTONES.

Great Reduction in Prices.

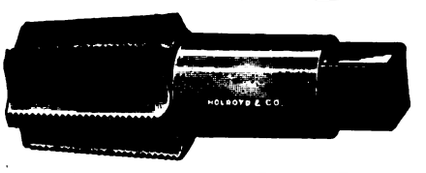
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The Cleveland Stone Co.,

Cleveland, O.

Hardware Dealers

Send us your address and we will mail Catalogue and discount sheet of **STOCKS DIES, TAPS, etc.**



Holroyd & Co.,

Waterford, N. Y.

One of the First and Last Advertisers.

New Jersey Car Spring & Rubber Co., Jersey City, N. J. [*Rubber Goods*]: This company was one of the first to enter your list of advertisers, and we expect to be among the last to retire. We feel that HARDWARE is one of the publications we can't afford to stay out of.

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"EVERYTHING IS COMING UP."

BUSINESS IS BETTER AND THERE WILL BE A LARGER DEMAND THAN EVER FOR OUR

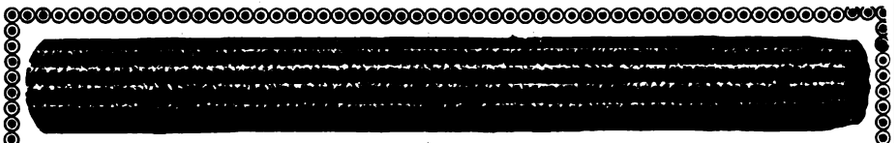
Sheep Skin Mitten.



Acknowledged to be the best article for polishing stoves, as it does away with the old time dirtiness of the work, making this work a pleasure. Also invaluable for polishing brass or glass, or silverware, which it does not scratch. For tan shoes and cleaning bicycles it has demonstrated itself a conspicuous success.

Diamond Hardware Co.,

624 Atlantic Ave., Boston, Mass.



PIPE and GUTTER.

Extra large stock of galvanized corrugated pipe and slip joint gutter always on hand. Special sizes or copper stock made to order on short notice. . . . . .

Write for Prices.

Berger Bros., Philadelphia, Pa.



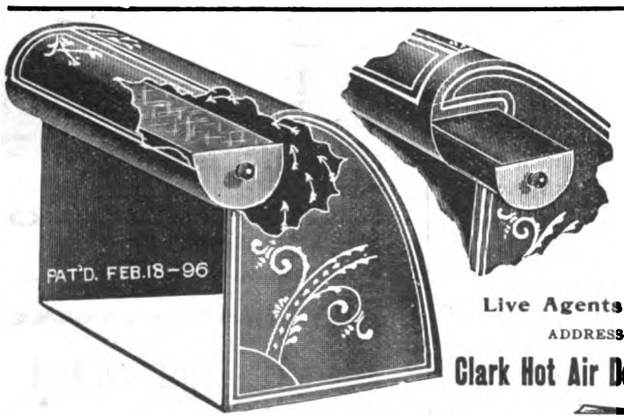
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Staple Goods.

Such as Wire Nails, Fence Staples, Plain and Galvanized Smooth Wire, Painted and Galvanized Barbed Wire.

THE SALEM WIRE NAIL CO., Salem, Ohio.

New York Office, 277 Broadway.



No more black on your walls.
No more dust in your rooms.
USE

Clark's Steam and Hot Air Register Bonnets.

Patented Feb. 18, 1896.
All others are infringements.
1900 Sold in Akron, Ohio, in three months.

Live Agents Wanted in Every City

ADDRESS

Clark Hot Air Deflecter Co.,

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The CANTON HOIST



Can be used perpendicularly, horizontally, and at any angle. . . .

In factories of all kinds, foundries, quarries, mills and warehouses; also by contractors, carpenters, stone masons and all classes of mechanics. Manufactured by

THE NEY MFG. CO., CANTON, OHIO.

New Stamped Metal Sash Lock,

In Cold Rolled Steel, Bronze and Brass. In all the Popular Finishes.

LOCKS OPEN. LOCKS CLOSED.



The Ives Patent Sash Locks,

Have acknowledged superiority for the complete manner in which they perform the work they are intended to do. . . .

PATENTED AND PATENTS PENDING.

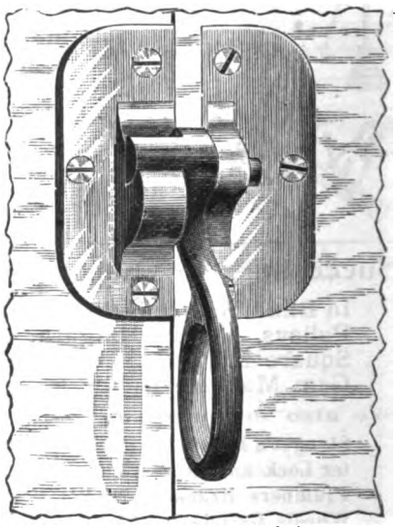
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HOBART B. IVES & CO.,

New Haven, Conn.

The CONROY PATENT Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

Beware of Infringements. Paschall, Phila.

"WE ARE RECEIVING GOOD RESULTS."

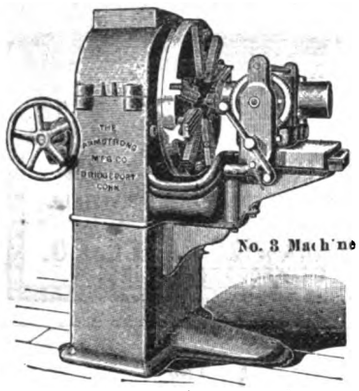
Clayton & Lambert Mfg. Co., Ypsilanti, Mich. [*Gasoline Fire Pots and Paint Burners.*] We are receiving good results from the advertisement which is running in your paper, and bel eve the service which you are g ng us, is extra good. We trust that our relationship for the coming year will be as pleasant and profitable as have those of the past, and feel very confident that it will.

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Without a line of

The "ARMSTRONG"



PIPE THREADING & CUTTING OFF MACHINES, ADJUSTABLE STOCKS & DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—

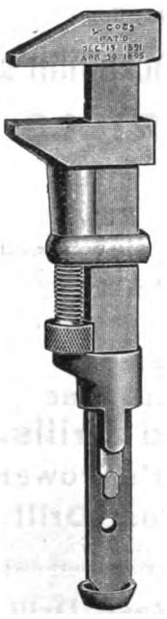
THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



THE ARMSTRONG MFG. CO.,
Bridgeport, Conn.

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L. COES'



Genuine Improved
KNIFE HANDLE
PATENT

Screw Wrenches.



MANUFACTURED BY

COES WRENCH CO.,
WORCESTER, MASS.

Established in 1839. Registered April 9, 1895.

Patented Dec. 15 1891. Patented April 30, 1895.

Sectional View Illustrates our New Knife Handle, showing Manner of Construction.

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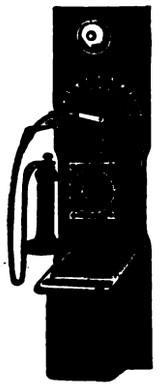
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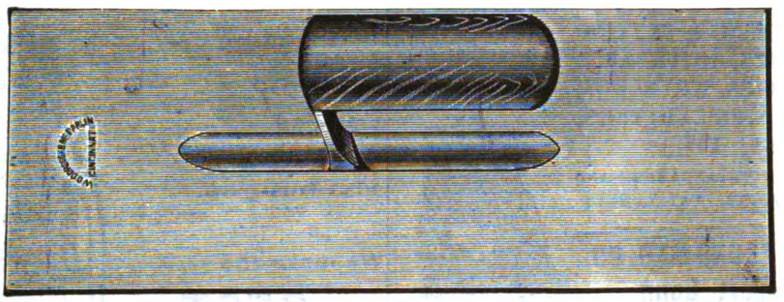
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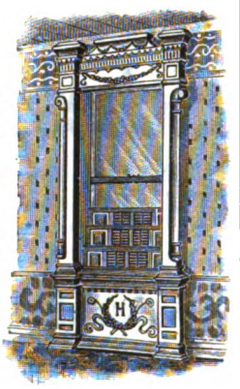
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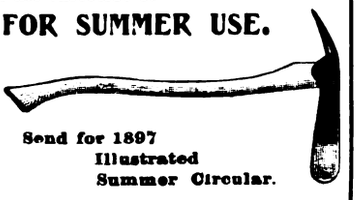
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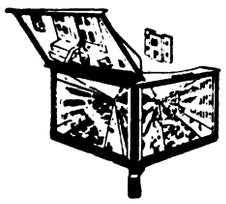
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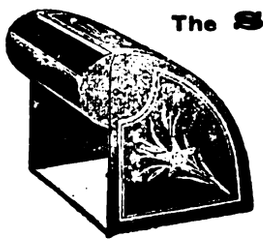
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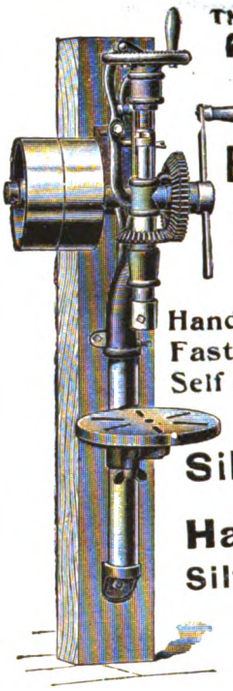
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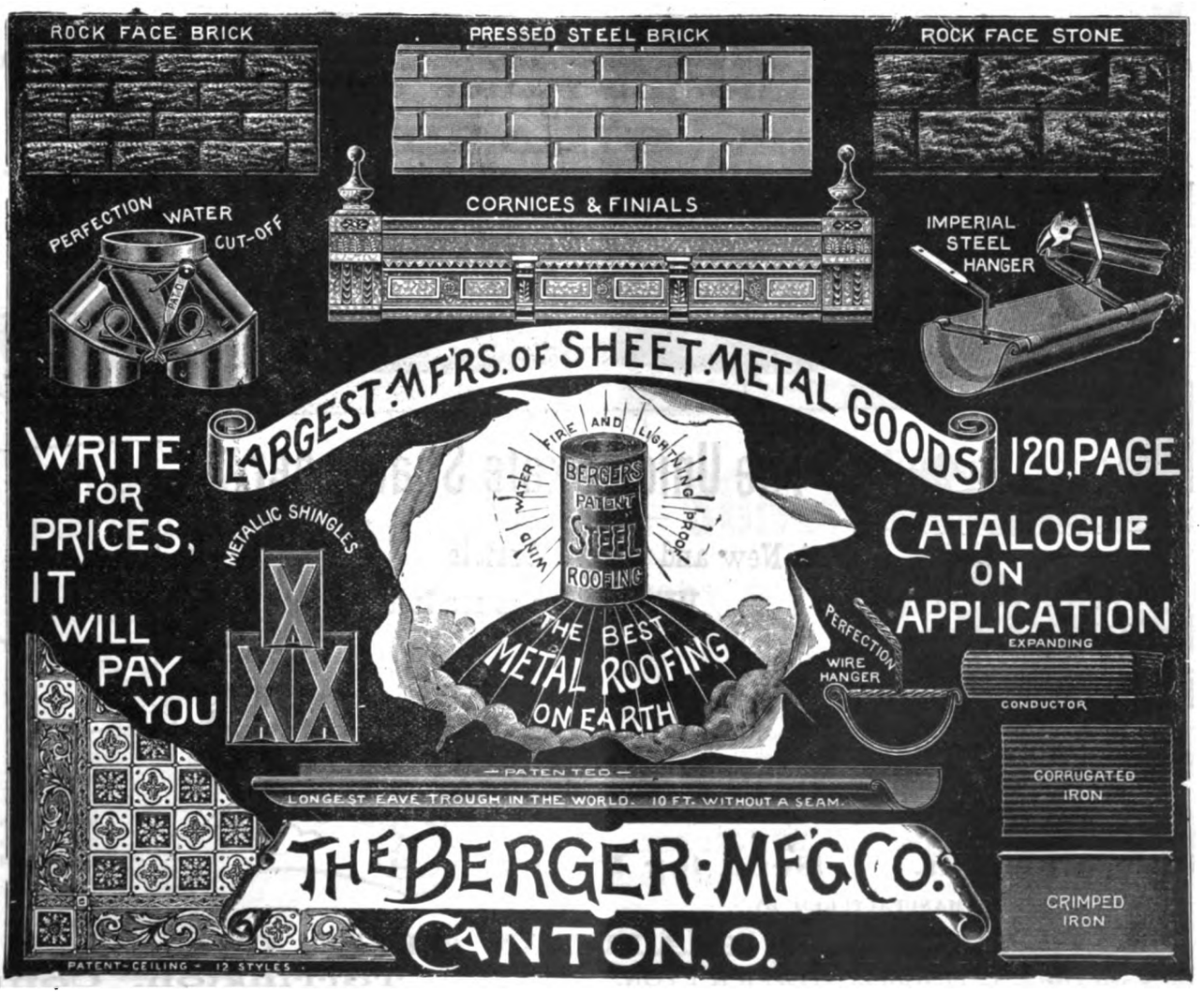
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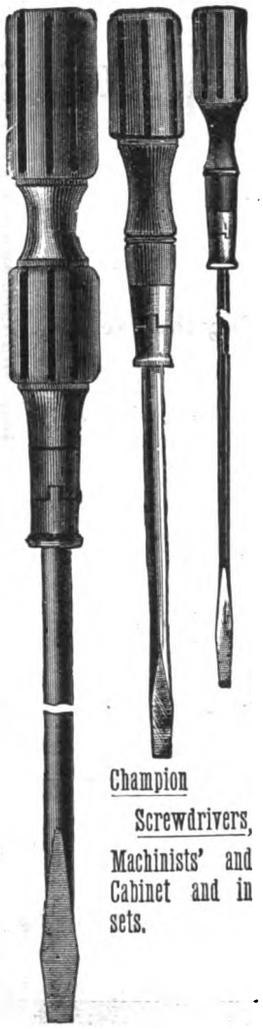
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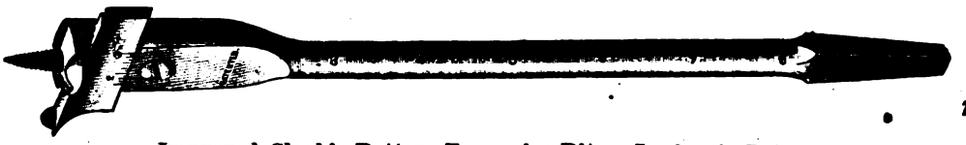


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Carpenters and Machinists' Tools.

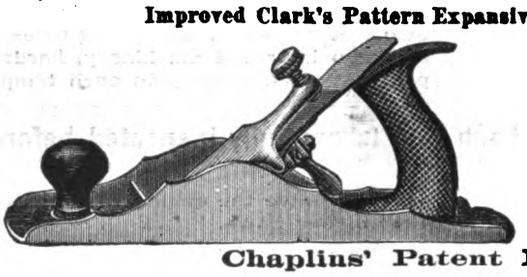


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No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.



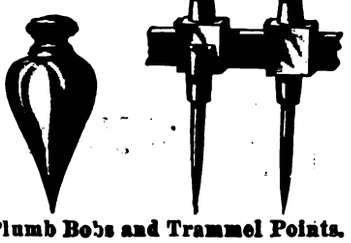


Corrugated Face.

Chaplins' Patent Iron Planes.



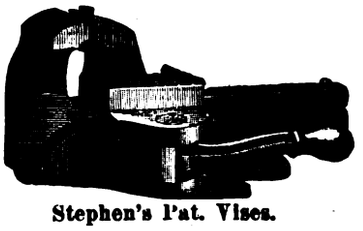
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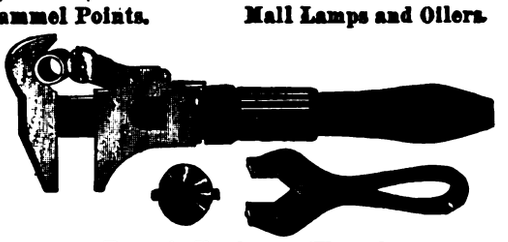
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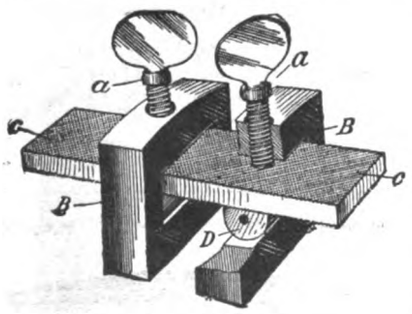
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Made in three lengths, 14, 16, 18 inches.



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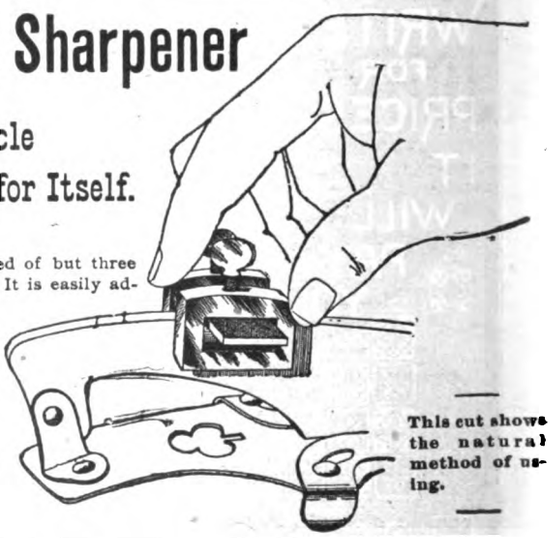


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It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

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BENCH STOPS.

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This Trade Mark is stamped on all Saw Sets and other Hardware Specialties of my make.

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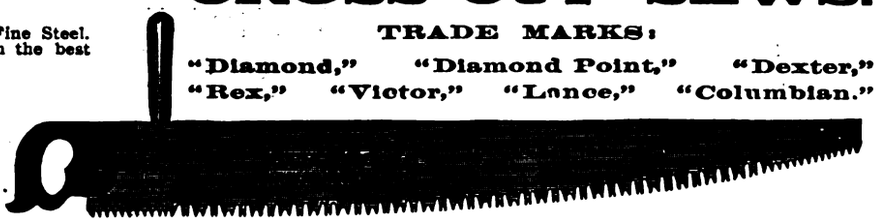
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Barnes' Little Giant Truck.

(PATENTED).

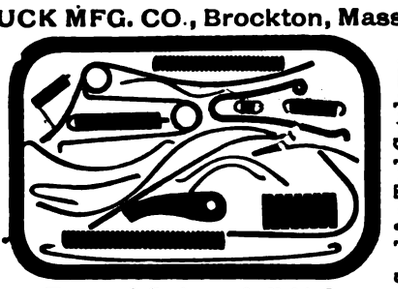
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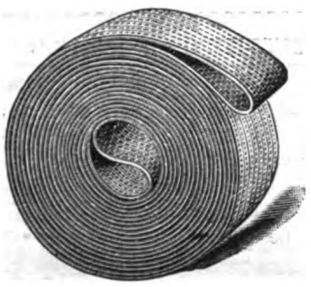
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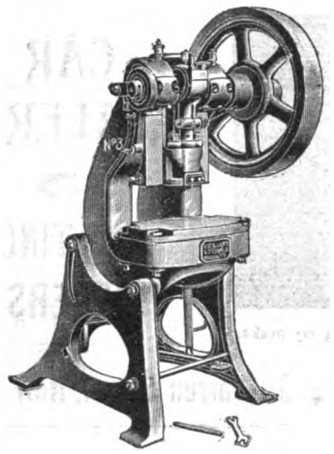


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Superior to any magnetic tool heretofore made.

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FOR THE WORKING OF SHEET METAL

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Seven men on one ladder—and it a small Step Ladder too—and it would carry as many more if they could get on it.

You know it keeps the old style Step Ladder busy to carry one good sized man or woman without breaking down; and they last but a year or two at best. . . . . .

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There is but One Step Ladder made for mechanics, and

THIS IS THE ONE.

We manufacture

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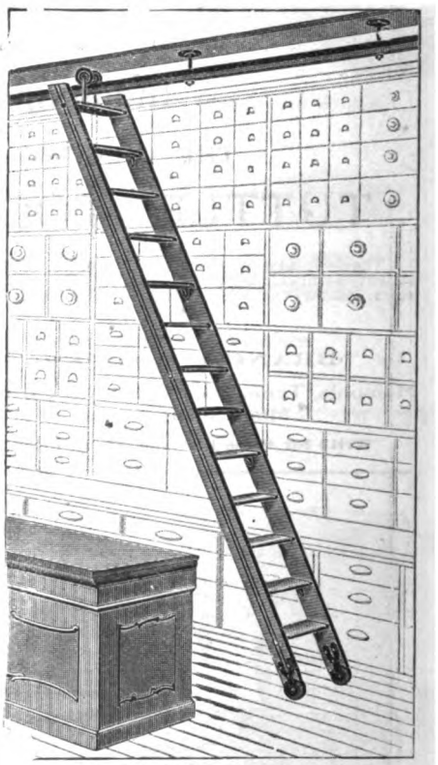
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No person else manufactures them but us. Write for Prices and Discounts.

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Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

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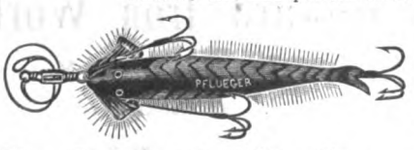
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You catch fish, while with others you might. Made in every suitable size and pattern known to modern anglers for



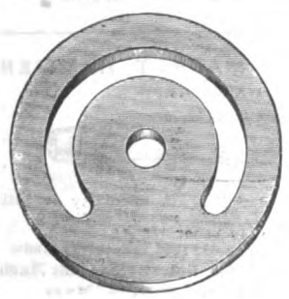
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"PRODUCTIVE OF RESULTS."

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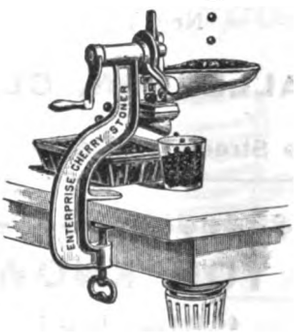
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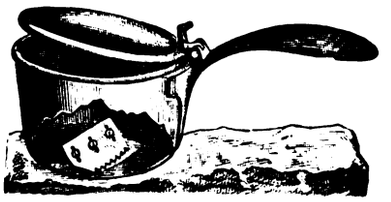
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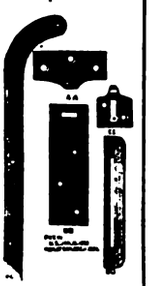
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How to Hang Entire Screens and Storm Windows.



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HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators.

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Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 97 Chambers St. and 79 Reade St. New York.

The DANDY SINK CLEANER.

. . . A perfect and complete



Household Specialty.

A Sink Cleaner and Shovel Combined. . .

Tidy housekeepers will throw away the dirty sink broom and buy the Dandy Sink Cleaner on Sight. . . . .

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

John W. Sudlow, 986 HALSEY STREET, BROOKLYN, N. Y.

DO YOU KNOW

"Simplex" Couplings or Menders

Hold better without bands than other makes with best band ever made? Push them into the hose and you cannot pull or force them out. . . . .

Electric Hose.

Handsome, durable and will stand all kinds of abuse, 500 feet in one length, on reel. Send for sample. . . . . .

KING & KNIGHT, 31 Wendell St., Boston, Mass.

SPECIAL SALE

For a short time only. In order to still further increase their sale and popularity, we will, for a limited period only, make a

BIG CUT IN PRICES IN THE CELEBRATED CANNON'S



DIAMOND POINT NAIL SETS.

Send to us for this special price now, and

REMEMBER

. . It Is for a Short Time Only . .

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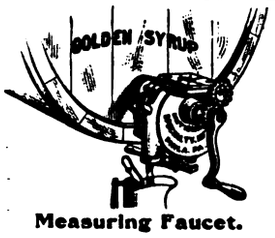
THE STORM MFG. CO.

John H. Graham & Co.,

Sole Selling Agents,

113 Chambers Street, - NEW YORK.

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Measuring Faucet.


Tobacco Cutter.

We Make Faucets

That measure a pint, a quart or a gallon accurately. A Barrel Drainer that adjusts automatically to fit in the bunghole. No bung borers needed and no molasses wasted. Coffee, Spice and Drug Mills that grind as you like it. Draw Cut Tobacco Cutters that do not squeeze through, but cut with ease. Our goods are second to none. All are fully warranted. Send for Catalogue to

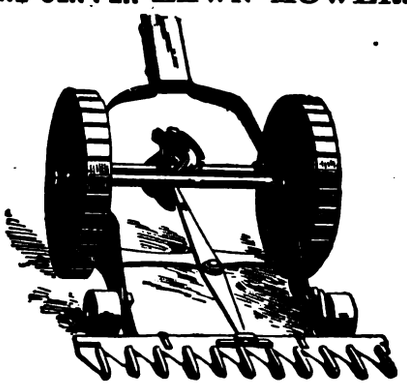
NATIONAL SPECIALTY MFG. CO.

Lehigh Ave. and Third St. - PHILADELPHIA, PA.


No. 3 Mill.


No. 1 Mill.

THE CLIPPER OUR IMPROVED LAWN MOWER.

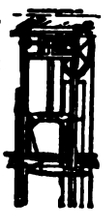


Light, more durable and less liable to get out of order than those now in general use. Nothing escapes the grasp of the Pioneer, weeds, dandelions and plantains being cut as closely and evenly as grass. Only requires the same power to cut grass two feet high as it would to cut two inches, and cuts more closely in the mowing of irregular surfaces and spaces, such as between posts of fences, walks and shrubbery. The Clipper Mower is not analogous to other lawn mowers, as it does not roll down the grass preparatory to cutting it; the finger bars and fingers thereon of the mower, gather in the grass in nearly an upright position, and the vibration or reciprocating motion of the knives shears off the grass with uniformity. **There is no use for sickle or shears where the Clipper is used.** For descriptive Circulars and Prices address the makers.

Clipper Lawn Mower Co., Norristown, Pa., U.S.A.

Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs, Ia.

No. 1013 Ninth Street.

ASHTABULA TOOL CO., Ashtabula, Ohio

—MANUFACTURERS.—



ALL SIZES

Coke, Coal, Stone, Ballast, Potato, Beet, and Cotton Seed Forks. . . . .

Not the cheapest, perhaps, but the Best.

Write for our latest Catalogue illustrating these and other goods.

EIGHT STYLES

POST-HOLE-DIGGERS

LITTLE GIANT, UNIVERSAL, HERCULES, LOCK LEVER, INVINCIBLE, NEW CHAMPION, PIONEER, CHAMPION.

F. E. KOHLER & CO., - Canton, Ohio, U. S. A.

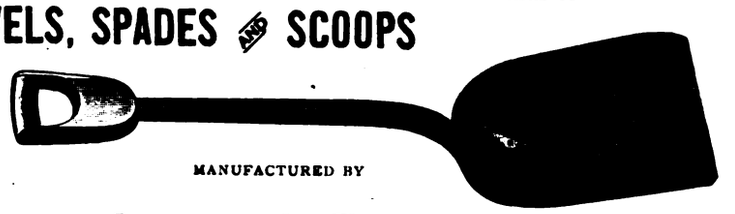
Remember we make all kinds of Wire Nails.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

We carry in stock 126 sizes and kinds of

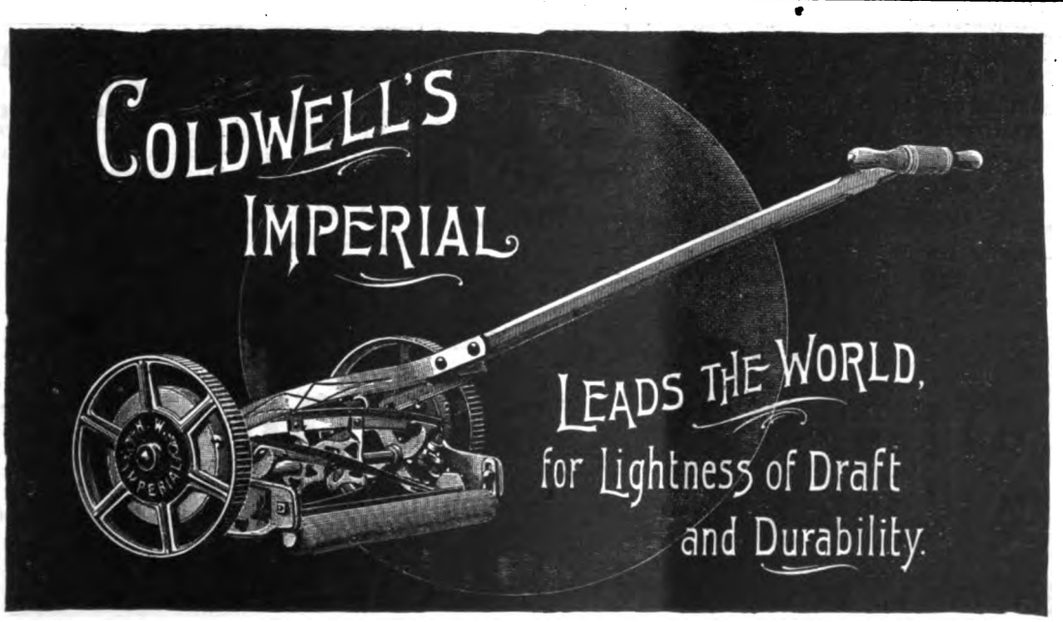
SHOVELS, SPADES AND SCOOPS



MANUFACTURED BY

Oliver Ames & Sons Corporation.

Send for our Shovel Catalogue showing goods carried in stock.



To the Trade:

We are offering for the Season of 1897 the Finest Line of **LAWN MOWERS** for both Hand and Horse Power ever placed on the Market. . . . . .

Send for our Catalogue and prices

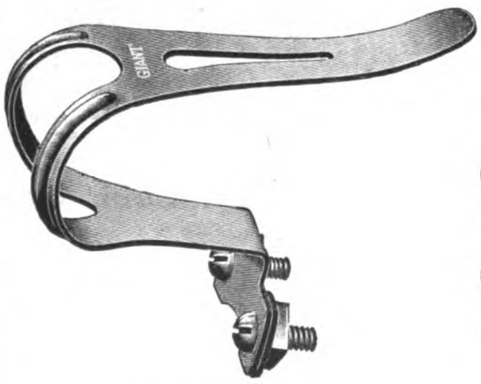
Coldwell Lawn Mower Co.,

Newburgh, N. Y.

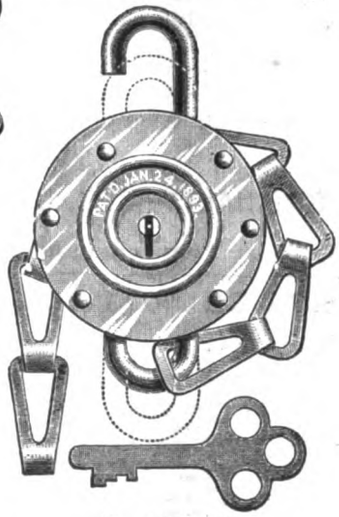
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DEALERS

Have no trouble in selling this line of Sundries.



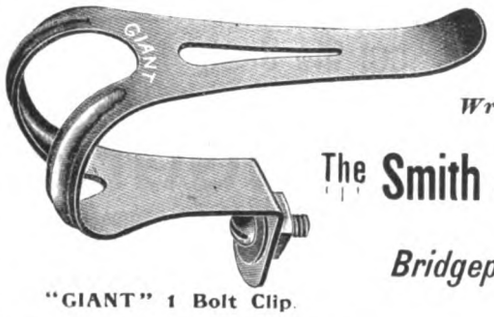
"GIANT" 2 Bolt Clip.



No. 12 Lock.



Sprocket Lock.

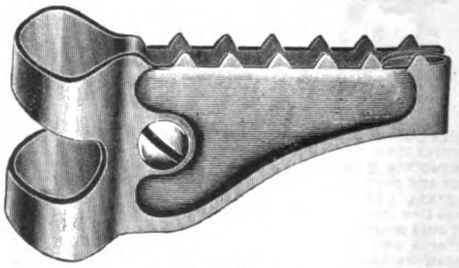


"GIANT" 1 Bolt Clip.

Write for prices to

The Smith & Egge Mfg. Co.,

Bridgeport, Conn., U. S. A.



Coaster.

STITCHED COTTON BELTING

FOR MACHINE DRIVING.



FOR THRESHER MACHINES.

Write for price list and discounts.

THE ROSSENDALE-REDDAWAY BELTING & HOSE CO., - NEWARK, N. J., U. S. A.
Manufacturers of all kinds of Belting and Linen Fire Hose.

WAGON UMBRELLAS and BUGGY CANOPIES.

Everything in that line.
Our motto: "Keep a-goin'."
Especial attention invited to

Sprague's Patent Giant Frame Wagon Umbrella.

It is the Strongest Umbrella on the globe.
Write to us, and let us prove it.

SPRAGUE UMBRELLA CO.,
Norwalk, Ohio.



In Our Line of Elevators and Hoists



We have a Hand Elevator especially adapted for use in stores, warehouses, etc., and we are sole manufacturers of

The Philadelphia Dumbwaiter.

Send for catalogue. . .

Energy Manufacturing Co.,
411 Cherry Street,
PHILADELPHIA, PA.

Dumb Waiters.....

that don't keep you waiting.

Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

BROWN BROTHERS & CO.,

59 Wall St., New York,

Buy and Sell Exchange and Cable Transfers on

SOUTH AFRICA

as well as on EUROPE and AUSTRALIA.

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HARDWARE

VOL. XV. JUNE 25, 1897. NO. 6.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade. Published the 10th and 25th of each month, by the HARDWARE PUBLISHING CO., No. 143 CHAMBERS ST., NEW YORK.

BRANCH OFFICES: CHICAGO, - - - - - ASHLAND BLOCK.
BOSTON, - - No. 33 EQUITABLE BUILDING.
CINCINNATI, - - - No. 316 VINE STREET.

Subscription, $1.00 per year. Subscription, Foreign, $1.50 per year.

JAMES H. KENNEDY, - Editor and Manager.
HENRY HOPKINS, - - Associate Editor.
FRANK REIFSNIDER, - Western Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted to the Hardware Trade.

Editorial Trade Review.

A positively confident and cheerful feeling seems to be the prevailing feature throughout the trade. While the movements in manufactured Hardware are not of great importance or significance, they are of an encouraging character, and enquiries for a future delivery indicate an underlying belief that prices have reached a point from which improvement in the near future may safely be prophesied.

The foundation for some of this prevailing sentiment may be indicated in the fact that Southern pig iron, after reaching the lowest point since the industry was established, has recently advanced $1 a ton; and as large orders for future shipment have become the most prominent feature of the market, this upward movement is regarded as indicating the turning point toward permanent prosperity in all the fields covered by American Hardware.

Reports from correspondents of intelligence show that the demand for staple lines continues to a limited extent. While Chicago is doing a good trade for the season, judged from the standpoint of a usually dull period of the year, the outlook for a larger volume of business, greatly exceeding that of last year is confidently anticipated. In St. Louis the trade firmly believes the prospects for fall will result in a much better demand with increasing prices than in any season of late years.

The present condition of the market is favorable to the booking of orders for future delivery on many leading lines, and with this feeling of confidence to inspire purchases, the difference in its tone will ere long be a noticeable feature.

To illustrate the processes that have been necessary to influence industrial stability, it is made a matter of comment that "prices and profits in manufacturing, banking, commerce, the arts, trades and other industries, have got down very close to farmers' prices;" so that from now on improved conditions are looked forward to throughout all the elements of permanent progress.

The traveling salesmen are now nearly all at home, preparing for the more encouraging season which they feel satisfied will make the fall trade memorable. They say that as far as observation can demonstrate, the general stocks of Hardware throughout the country have not to any great extent been augmented during the last few months, having simply been strengthened in the interest of making a fair assortment. They are in a condition at the present time to warrant the belief that when the travelers start again upon the war-path they will find orders worth working for.

A Step In Advance.

The Merchants' Association, which effected a temporary organization at the time of the Grant Memorial dedication, has recently become incorporated in this city.

It has a laudable purpose to accomplish, of which the commercial interests of New York cannot help but take note and assist with positive encouragement.

Made up as the association is of the prominent wholesale merchants and jobbers in the various important lines of business, it is their avowed intention to promote in every possible way the trade and traffic which should center in this city, and which in its manifold volume should attract the buyers of the entire country.

A few decades ago New York was so favorably situated, commercially and financially, it was imperative that the wide awake dealers from other States should seek our numerous mercantile establishments, establish their credits, and buy large stocks twice a year for Western or Southern distribution. Then, at certain seasons of the year, our hotels were filled with guests, and our jobbing houses overrun with anxious customers, desirous of having the first early selection of new goods. The travelers who now find their only occupation by frequent visits to possible patrons, were then of a more conservative tone and resident here, taking pilgrimages daily through the various hotels, hunting on the registers for familiar names, and keeping tab on the arrivals and departures of the known buyers.

The net cash and short time trade developed during the war period, and the building up of large trade centers farther west, changed to a great extent the intimate nature of these commercial connections. Money in other financial centers became more abundant, and commercial paper could be as readily discounted at satisfactory rates in Chicago or St. Louis, as in New York. Then the local jobbing interests in the interim finding their occupation gone to a great extent, either disintegrated into commission houses after the working partners had gone to Southern and Western cities to establish new firms, or else dropped out of existence entirely. So that to-day the limited number of large firms interested in a movement of the character above described are those able to boast of an annual business of many millions. They have been controlling lines

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and possessing extensive and expensive auxiliaries, which included heads of departments who commanded princely salaries, and had a national fame as to the value of their exceptional services. The firm names were known all over the world, and on the back of the commercial paper would make it a purchasable commodity at a fixed standard. But the dullness that has supervened during the last few years has made home stocks smaller in the leading cities, assortments larger, with bargains, remnants and remainder stock predominating, which has created the new regime in which department stores, with constant daily purchases, become an apparent necessity. With the prospects of an early trade revival, these leading wholesale merchants who know that New York has a prestige and supremacy to maintain realize that something must be done to retain it. The Merchants' Association, it is hoped, will permit of a concert of action that will soon become general, and once again New York will become the recognized market of the world, which no merchant can afford to ignore by failure to visit and investigate for himself.

Those engaged in this desirable movement have already secured special advantages from the Joint Traffic Association in the way of concessions of railroad fares from distant points to this city, which concessions amount at present to a one-third rebate.

They hope to accomplish as much in the freight allowances, and other possible advantages. They know and feel that direct contact with the heads of the houses with which they do business increases confidence in each other, and establishes those respectful and fraternal relations that invariably cement trade conditions, and may control patronage for a long time to come; concentrating in a few houses increasing accounts, instead of that multiplicity of smaller charges which carry no prestige, and too frequently little or no profit.

Increasing fame will again become a natural feature in the markets of the second largest city in the world. The geographical disadvantage of our extreme eastern location to the great volume of business of the entire country will speedily be lost sight of in many special advantages, including immense stocks of merchandise from all the known ports in the world, thrown open to all buyers. Bank and sub-treasury vaults filled to overflowing, will furnish a financial backbone to a movement that must prove eminently successful.

With transportation rates placed at an engaging figure, and low schedules of freight charges made possible, especially during those seasons of the year when stocks are to be bought and forwarded, will make New York from henceforth receive in its business transactions an impetus never before known in its history.

We have always possessed the greatest attractions to bring here the leading wholesale and retail buyers of the country, among which are to be found unsurpassed hotel accommodations, unequaled amusements, seashore resorts of world-wide celebrity, and through our various commercial clubs and organizations the social enjoyments of a friendly intercourse, which should revolutionize the present conditions of interstate business relations, and bring a new fame to the commerce of the metropolis that will never again be dimmed by circumstances so readily conquered through sustained effort.

Mr. Tower Goes Abroad.

We are pleased to learn that our old friend, Mr. John J. Tower, of the old established house of Tower & Lyon, is able this summer to take a vacation that permits of his going abroad.

He departed, accompanied by his daughter, on the 12th inst., on the steamer *Anchoria*, intending to go direct to Glasgow, from which point it is his intention to visit every city of interest in Great Britain, with the prospect of spending a short time in France before his return.

It is unnecessary to state that so observing a manufacturer as Mr. Tower will neglect no opportunity in this his first trip across the Atlantic, to study the foreign methods and requirements. He will be impressed with the fact that the intelligent mechanics of the effete monarchies of Europe would be greatly benefited by the introduction of such improved tools as are described in the Tower & Lyon catalogue from cover to cover. We wish Mr. Tower a safe and pleasant journey, an agreeable vacation and withal a glad return.

The Bicycle Dinner.

The usual American ingenuity in evolving new forms of amusement, and new developments of bicycling, has been once more illustrated. Out in Mt. Kisco, N. Y., a quiet and beautiful little town up among the hills, the young people are to give a "bicycle dinner."

A party of young people of congenial natures, have been invited to wheel to a certain residence at 6 P.M. on the given date, and when there, napkins made by the fair hands of the hostess, are to be distributed. The guests are then directed to wheel to another house, where soup is to be served. With that out of the way, they receive a second direction, and at the next stop, are served with fish. This programme is to be continued, through the remaining courses—each one of which represents a separate visit—and finally the whole party are to remain at the place last visited, when music and dancing will end the evening's fun.

This new social experiment will be watched with interest by wheelmen everywhere.

Mr. Oldman Endorsed.

A. N. Oldman: I read your article in *Hardware* of June 10th, and would beg to say that your hints to young clerks are of first-class material, and think that clerks who may chance to read them will be benefited.

You ask in your article: "What shall I do with my clerk who insists on smoking cigarettes?"

Would say: "Kill him, for if you don't, the cigarettes will."

Asking you to accept my congratulations on the article, I remain, Yours truly,

Wellington, Ohio, June 15th. L. W. HOPKINS.

Aluminum has almost entirely replaced tin in the manufacture of articles for the French army. Canteens, cups, cooking utensils, etc., made of aluminum alloys can, by means of stamping and spinning, be made entirely without soldered joints, and, however crushed and dented in service, can readily be hammered back into shape.—*Industrial World.*

Until 1720 the greater part of the iron manufactured in the American colonies was produced in Massachusetts; in 1750 Pennsylvania became the leading iron producing State and maintained the supremacy until 1880, after which time the lead was taken by Michigan.—*Michigan Tradesman.*

To prevent corrosion of collar buttons by contact with the neck, a recently patented button has the back made of cork.—*Stoves & Hardware Reporter.*

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DRUMMING AS ONE OF THE FINE ARTS.

There is occasionally a salesman who comes into the presence of the buyer, with an air of "Lo, the conquering hero comes;" he seems to be crowned with a halo of success that can be recognized the length of the store. He is apparently fully possessed of the proper knowledge that a man to get any plums out of the few puddings obtainable in ordinary years, has got to hustle like fun, even after he's found the pudding; but this style of man says under his breath, "I know I'll do it."

He doesn't—he never by any possibility could—question his own ability or fail to take the measure of the man in front of him, and frequently that critical examination becomes a lesson in the fine arts, where the brush has to be handled very deftly, with no thick daubs of colors that are too pronounced for artistic effect.

I remember away back in the 'ties, further back than I would care to confess with my present youthful appearance, when, as buying partner of my own firm, I one afternoon was occupying the busiest desk in the house. I had been writing letters of encouragement to the several travelers we had on the road, covering territory not too far away from the city, and in those letters I had illustrated the text by a few new and lower quotations, which were thought would instigate sales even if they failed in inspiring profits.

As I said, I was sitting at the desk in a meditative mood not favorable to making rash purchases, when in walked a breezy individual whom a block off I could have sworn was a product of the manufacturing centers of the West; he had with him a small grip, a confident air, a radiant countenance, and a good sized piece of mercantile pasteboard, on which his name appeared in smaller letters than I could have believed possible from a casual inspection of his makeup.

A preliminary question administered to our office boy who was near the front, told him who was the ordering man, and also his name, so, walking straight to my desk and gracefully dropping his card upon it, he at once opened his attack.

"Mr. Hop, I believe?"

"Your belief is well founded. What can I do for you?"

"I understand that you purchase all the stock for this house, and I have in my grip a model of an article which I am confident you could sell readily and make a very satisfactory profit; to enable you to do which, we would give you exclusive territory."

"Is it this article which ornaments your card, 'The Excelsior Broiler?'" I asked, holding the card before me.

"Yes, sir; the very thing; please don't let the poor illustration establish any prejudice; it's an article with which in a few months we have swept the entire West, and now, like another Alexander, I am on here looking for other worlds to conquer."

"Well, my friend," I remarked, in a tone of commiseration, "you have struck the wrong house; we are not adding to our line of stove specialties at the present time."

"Oh, but you will," he said confidently, "when I have formulated my plan; I am sorry I haven't the exact article full size, 'all wool and a yard wide' to show you; but that will arrive in the morning, and confirm the good impression of the model."

And suiting the action to the word, he opened his delicate looking grip, and pulled out a cast iron arrangement designed to fit over the hole of a stove; it had a tin cover, and within was a circular wire broiler, doubled like a toaster, and made so it could be readily revolved without removing.

He dilated upon its many improvements and advantages over anything else of the kind; told how successfully he had introduced it to the leading jobbing house in St. Louis, Cincinnati, Chicago, Buffalo and Pittsburg, but failed in the slightest degree to change the negative mood in which he had found me, although I couldn't fail to admire the fact that he had what I call the "salesmanlike faculty" largely developed.

But I was not to be moved. I recommended several houses like "Benham & Stoughtenborough," "E. Ketcham & Co.," and others, who would make more satisfactory agents.

"No," he said, "This is the first house I've called upon in this city, and I have never failed to stick to and sell the first house I interview in every city I have visited; I don't dare to hoodoo my usual luck. I've learned that man is a mercurial animal, and I feel that you are not in a buying humor, and experience teaches me I've got as far as I can go to-day; so if you will permit me to call again in the morning, when I shall have received an 'Excelsior Broiler' life size, it may possibly modify your views."

"You may waste your time that way if you so desire."

"Pardon me, Mr. Hop," he said this in the most subdued and polite air imaginable, and speaking with apparent candor, "but I learn that your house is one of the most enterprising and hustling firms in the city; canvassing the near-by trade thoroughly, with seven or eight men on the road, and I am certain I shall sell you a gross of broilers and make you our agent before I leave the city."

His assurance was an object lesson worth studying.

"A gross of broilers?" said I, aghast at the possibility he conjured up, "If anybody could make me believe that I would give an order for a gross of broilers, I would feel that I ought to be tagged and loaded in the Black Maria for the Bloomingdale Asylum with a lot of other *non compos mentis* wrecks."

"Oh, well," he laughed. "we will let it go until morning, and I will endeavor to alter your decision."

"Let me see—is this the Hudson River a block or two away?"

"It is," I replied.

"What kind of a city is that over on the other side?" indicating with a sweep of his hand Jersey City or Hoboken, I was uncertain which, so I fairly described the characteristics of each, for we had a good trade already established in both of them.

"Well, good day, sir, I hope to-morrow will find you in good buying condition, for I was brought up to believe the Lord loves a cheerful buyer."

The half hour I had devoted to this broiler distributor, kept me in a speculative mood the remainder of the day; but I was sure we didn't intend through my instrumentality adding any quantity of broilers—let alone one hundred and forty-four of them—to a stock that was already voted large enough.

The next morning his visit was timed at an hour that would find me free from any attention to the customary morning mail.

He entered, and greeted me modestly and confidently, in fact very much as though he had sold me goods for years.

"How are you feeling this morning, Mr. Hop? But I needn't ask the question, you look like a man who has

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found an order or a check alternate in every letter brought in the early mail. I don't suppose you have your order for 'Excelsior broilers' made out with the quantity left blank, but I'm prepared to entertain it."

"Do you know," said I, "there's an originality about your methods that entertains me, and I actually regret that I am compelled to turn you down, for I positively do not wish to be an agent for your incomparable broiler." This was intended to be mildly satirical.

"Oh, that's all right," he smiled, "I'm right glad to find you so cheerful; you will be more so when I get that order. I've brought the sample."

Here he took from under his arm a paper package, drawing from its interior the full sized broiler, of which the previous day he showed only the model. He, having already expatiated on its merits, merely commented upon its size and convenience.

"They are intended to be retailed at $2.00 each, and cost the retailer $16.00 a dozen; being put up ½-dozen in a case. For an order of a gross, we bill them to you at $12.00 a dozen delivered here; payable in 90 days, or one per cent. a month discount for cash in ten days. Now that's the business in a nutshell; there's a good profit in them all around; they'll sell, and you will do the business on our money, for you needn't pay a dollar until you've sold them and got your money. How many gross on those terms do you think you can sell the first three months?"

He had said all this glibly enough, and yet every word was clearly and concisely stated.

"I see no reason," said I, "to change my hastily formed opinion of yesterday, N. B. No broilers. In fact, I am confident we could not sell enough of them to make it pay."

"Pardon me," said this imperturbable salesman; "you have not given the subject as much consideration as I should have liked, so I will have to play my hand."

He reached to his inside pocket and pulled out several slips of paper about the size of bank checks.

"My hand holds five aces," said he. "Do you know the concern that signs that document?" and he handed me one of the slips.

It was a printed order with the blank spaces filled in for "one dozen Excelsior broilers at $16 net cash," and signed "Anness & Murray."

"Yes," I replied, "know them well, sell them over $250 a month."

"That's what they told me, so I knew they must be good. How about this one?" and another order from "Jacob Ringle" for a dozen at $16 turned up. He had also sold "Sam Anness" a half dozen, and several others. Even "old man Bell," who rarely bought a "half dozen" of anything, was on the list; he had hypnotized the trade, and Jersey City was crying for broilers.

"Well, what do you think of it?" he said. "I left this store at 2:45, and left Jersey City at 7:15, but I enjoyed the late dinner I got, for I had in my pocket orders for seven dozen broilers which I had sold subject to your delivery in two weeks, or no sale."

"Now," he continued, "I want to pass these orders over to you to fill, upon receipt of your order on terms mentioned this morning, and I want to say one thing—with seven men on the road, you will undoubtedly sell—you will note that I don't say *probably*—ten gross, before you pay us, necessarily, a single dollar. Mr. Hop, I am glad to have met you; but you are a hard man to work."

I was, I confess, taken a little aback at the work done in our name, by a stranger within a couple of miles of the store. I sat down and made out an order for "three gross as a starter," and in the first three months exceeded his prophecy by ordering 12 gross, and didn't do it on their money either, for we were anxious to add the 3 per cent. to the rest of the profit. Oh the good old days! "HOP."

New York Hardware Jobbers.

A meeting of the New York State Association of Hardware Jobbers was held in Binghamton, on June 9th. The business sessions of the association were held in the assembly hall of the Hotel Bennett and about a dozen jobbing houses were represented. The officers are: President, Capt. Frederick Barker, Elmira; vice-president, Charles H. Turner, Albany; secretary and treasurer, S. J. Weaver, Rochester. Those present beside the officers were J. K. Dunscomb, Albany; George Dana and John L. Murray, Utica; J. William Black, Syracuse; Irving D Booth, Elmira; J. H. Boucher, Rochester, and B. M. and Charles B. Babcock, Binghamton. The guests of the association were J. D. Barber, Dr. Charles G. Wagner, of the State Hospital; Mr. Lewis, Wilkesbarre; Fred E. Hines and J. H. Underwood. The members were the guests of the Babcock Hardware Co. The next meeting of the association will be held at Syracuse in September. The date has not been decided on, but it will be about the middle of the month.

The meeting was called to order at 11:30 and the discussions lasted about three hours. At 2:30 a banquet was served in the breakfast room of the hotel. In response to an invitation of Superintendent Wagner, the party boarded an electric car for the State Hospital, where they were shown through the institution Then the party returned to the city and visited various points of interest.

Our Iron and Steel Importations.

The *American Manufacturer* says that the imports of British iron and steel products into the United States during the second month in the new year are shown in the following table, compiled from returns made to the Board of Trade, London. In additon the totals for the years so far, and those for the first two months of 1896, are given:

	February		Two months	
	1896. tons.	1897 tons.	1896. tons.	1897. tons.
Pig iron	2,981	625	7,714	1,728
Bar, angle and bolt iron	104	169	463	320
Railroad iron and steel	5,224	....	8,396	....
Hoops, sheets and boiler plates	18	8	68	141
Tin-plates and sheets	6,980	9,678	18,841	18,488
Old iron	....	....	377	12
Steel unwrought	1,904	1,031	3,017	2,104
Wire, iron and steel	553	159	924	308
Black plate for tinning	529	89	1,003	99
Totals	18,293	11,759	40,803	23,230

"In comparing the total exports of British iron and steel products to the United States during last month with those recorded for February, 1896, we find a decrease of more than 35.5 per cent. As has been noted for some months past, nearly all the items show lower figures in comparing the two months. Pig iron exports show a decrease of about 79 per cent., while exports of bar iron fell away more than 62 per cent."

New Club Members.

At a meeting of the board of governors of the Hardware Club of New York, held on June 10th, the following were unanimously elected to membership in the Club:

Thomas M. Gallivin, manager E. C. Stearns & Co., Syracuse, N. Y.

Joseph O. Stokes, treasurer Home Rubber Co., No. 80 Reade Street.

Charles L. Patterson, general agent Repauno Chemical Co., Wilmington, Del.

Theo. David, Postal Telegraph Building.

E. H. Parkhurst, New York Belting & Packing Co., No. 25 Park Place.

Frank B. Hurd, No. 425 Broome Street.

W. W. Falmer, No. 63 Beekman Street.

Henry L. Pierson, No. 29 Broadway.

Chas. H. Boaz, No. 256 Broadway.

Geo. H. Armstrong, agent, E. C. Stearns & Co., Syracuse, N. Y.

Henry J. Botthoff, No. 21 Spruce Street,

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THE DICTIONARY AND THE SAW.

The heedless young Hardware clerk who goes through the stock, handling and naming this article and that, has probably no idea whatever as to the amount of literature that it is possible to discover in relation to the articles which he so carelessly handles.

Take the Saw for instance. Two or more full pages of the great new "Century Dictionary" are devoted to definitions and discussion of this one article, and its various appendages and derivations.

Here is the definition, with description as it is found verbatim: "Saw: a cutting tool consisting of a metal blade, band, or plate with the edge armed with cutting teeth, worked either by a reciprocating movement, as in a hand-saw, or by a continuous motion in one direction, as in a circular saw, a band-saw, and an annular saw. Saws are for the most part made of tempered steel. The teeth of the smaller kinds are formed by cutting or punching in the plate interdental spaces or gullets. In saws of large size inserted or removable teeth are now much used. Small saws are generally provided with a single handle of hard wood; larger saws, for use by two workmen, have a handle at each end. Reciprocating saws more generally have their teeth inclined toward the direction of their cutting-stroke, but some cut in both directions equally. To cut freely, saws must have, for most purposes, what is called set—that is, alternate teeth must be made to project somewhat laterally and uniformly from opposite sides of the saw in order that the kerf or saw-cut may be somewhat wider than the thickness of the saw blade. This prevents undue friction of the sides of the blade against the sides of the kerf. Some saws, however, as surgeons' saws, hack-saws, etc., have little or no set, and undue friction against the kerf is prevented by making the blades of gradually decreasing thickness from the edge toward the back."

Among the various kinds of saws described is the annular saw, sometimes called barrel-saw, crown saw, cylinder saw, drum saw, ring-saw, spherical saw and tub saw.

The annular saw is in the form of a hollow cylinder, with teeth formed on the end.

The brier-tooth saw is one gulleted deeply between the teeth. This is sometimes called a gullet saw.

A butcher saw is not, as is generally supposed a saw in use by butchers, but is named after a Dublin surgeon. It is a narrow-bladed saw, set in a frame so that it can be fastened at any angle.

Other saws are the circular saw, comb-cutters'-saw, cross-cut saw, double saw, endless or band saw, equalizing saw, hack saw, half-back saw (no relation to the foot-ball business), half rip saw, which is a hand saw without a back; Hey's saw, which is a small two-edged saw set in a short handle, and is used in removing pieces of bone from the skull; a perforated saw, a pit-frame saw, a railway cut-off saw, which is a circular or buzz saw supported on its frame upon a carriage moving on a track so that it can be fed backward or forward to its work. There is also a reversible saw, and a hack saw is sometimes called a smith's saw.

Reference is also made to gig saws, ice saws, jig saws, rabbet-saws and ring saws.

Other definitions touching the saw are as follows:

Saw-arbor. The shaft, arbor or mandrel upon which a circular, annular, or ring saw is fastened and rotated. It is also called a saw-shaft, saw-spindle, and saw-mandrel.

Saw-back. An adjustable or fixed gage extending over the back of a saw, and covering the blade to a line at which it is desired to limit the depth of the kerf.

Saw-bench. In wood-working, a form of table on which the work is supported while being presented to a circular saw.

Saw-block. A square channel of wood or iron, with parallel slots at various angles, which guide the saw in cutting wood to exact miters.

Saw-buck, or saw-horse. A support or rack for holding wood while it is cut by a wood saw.

Saw-clamp. A frame for holding saws while they are filed. Also called a horse.

Saw-gummer or saw-doctor. A punching or grinding machine for cutting out the spaces between the teeth of a saw.

Saw file. A file especially adapted for filing saws.

Saw frame. A frame in which a saw is set; a saw sash.

Saw-gage. This has several meanings. A steel test-plate of standard gauge for testing the thickness of saw-blades. A straight edge laid over the edge of a saw-blade to determine whether the teeth are in line. A test for the range of tooth-points of a saw in their distance from the center of rotation. An attachment to a saw-bench for adjusting the stuff to be cut to the saw, the gage determining the width of cut. A device for adjusting the depth of a saw-cut.

Saw-gate. The rectangular frame in which a mill-saw or gang of mill saws is stretched.

Saw-guide. A form of adjustable fence for a saw-bench.

Sawing-block. A miter-box.

Saw-jointer. An apparatus by which the jointing of gang-saws is performed.

Saw-swage or saw-jumper. A form of punch or striker for flattening the end of a saw-tooth to give it width and set.

Saw-Pad. A device used as a guide for the web of a lock-saw or compass-saw in cutting out small holes.

Saw-pit. A pit over which timber is sawed by two men, one standing below the timber and the other above.

Saw-set. An instrument used to wrest or turn the teeth of saws alternately to the right or left, so that they may make a kerf somewhat wider than the thickness of the blade. It is also called saw wrest.

Saw-table. The table or platform of a sawing machine on which material to be sawed is to be held or clamped.

Saw-tempering. The process by which the requisite hardness and elasticity are given to a saw.

Saw-tempering machine. A machine for holding a saw-blade firmly so that it may not buckle when it is plunged into the tempering oil-bath.

Saw-tooth. The tooth of a saw. These are made in a great variety of forms.

Saw-tooth indicator. An adjustable device used in shaping the teeth of circular saws, to insure their filing and setting at equal distances from the center.

Saw-tooth swage. An anvil-block used with a punch or wedge to flatten the edges of saw-teeth.

Saw-tooth upsetter. An implement for setting the teeth of saws or for spreading their teeth and acting as a swage.

So much for the technical definitions. There is a great deal more in this dictionary hinging on the word saw. For instance in olden times, when one was "held at the long saw" he was being kept in suspense. To saw a thing is to cut or divide with a saw. Hamlet in that memorable passage, where advice is given to the players, advises them not "to saw the air too much with their hand, thus, but use all gently." In book-binding it is to score or cut lightly through the folded edges. A saw is also defined as a say-

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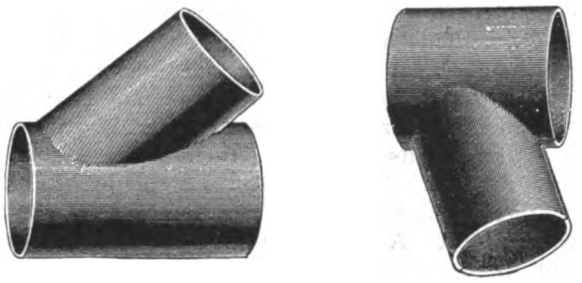
ing or speech, especially of a proverbial character. For instance in Shakespeare, we read of the justice "full of wise saws and modern instances." A saw is a Scotch form of salve. A thing is saw-back when the tips of the backbone stand out like a saw, and saw-beaked when the beak is serrated. A sawbelly is a blue-backed herring; a sawbill is a certain species of bird; a sawbones is slang for a surgeon. A sawfish is described in these simple words: "An elasmobranchiate or selachian fish of the family Pristidæ, having the snout prolonged into a flat saw or serra beset on each side with horizontal teeth pointing sidewise."

A sawfly is "a hymenopterous insect of the family Tenthredinidæ, so called from the peculiar construction of the ovipositor (saw or terebra), with which they cut and pierce plants."

It was Caesar who said: "I came, I *saw*, I conquered."

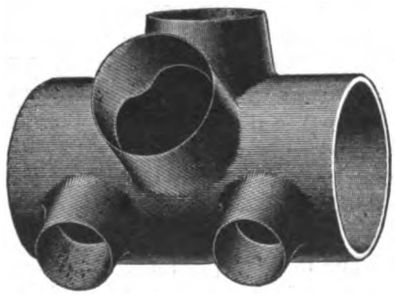
The A. L. Moore Co.'s Output.

The large increase in the use of sheet steel stampings for bicycle frame connections within the past two seasons, is a

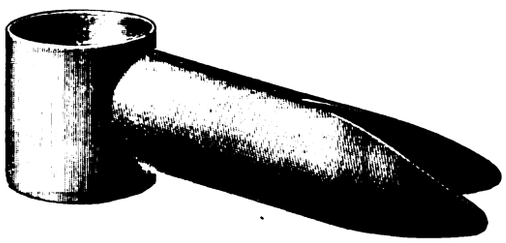


most convincing fact that they have come to stay, and that they have, to an extent, replaced drop forgings for this purpose. One of the best and largest lines of these sheet steel bicycle fittings is that made by the A. L. Moore Co., Cleveland, Ohio.

By the means of an electrical welding process, they have produced some extremely clever features in seamless sheet



steel crank hanger brackets, head lugs, seat lugs, etc., and for the season of '97 and '98, they are bringing out some interesting novelties in this line. One of the most interesting of these new features is their seamless bicycle head. This is made of sheet steel. The lugs are drawn out and the head electrically welded, in the same manner employed in the manufacture of their seamless or electrically welded head lugs, which have gained a wide reputation during the

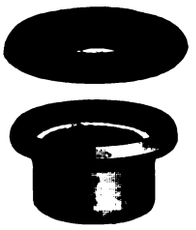


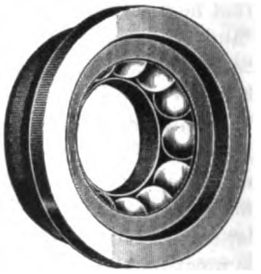
past season. Practical tests have shown this head to meet every requirement for strength and economy, and they will be furnished to meet the specifications of the A. L. Moore Co.'s customers for both flush and open joints, and for any length, diameter and angles desired. They have recently submitted samples of this seamless bicycle head to the large manufacturers of the country, who have pronounced it distinctly high grade. Illustrations of the A. L. Moore Co.'s seamless frame connections are shown herewith.

One of the best known articles, which this company manufactures, is their seamless crank hanger, which was brought

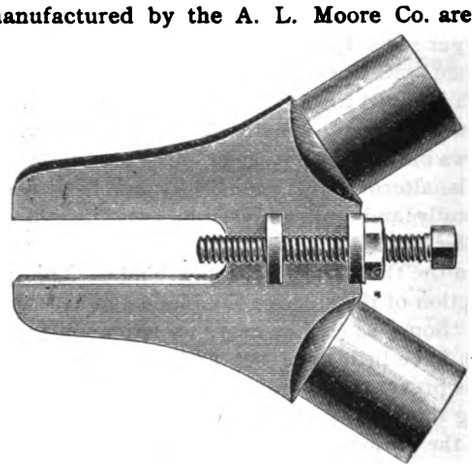


out successfully during this past season. For the season of '97 and '98, they promise still newer and better developments in their crank hangers and their other seamless



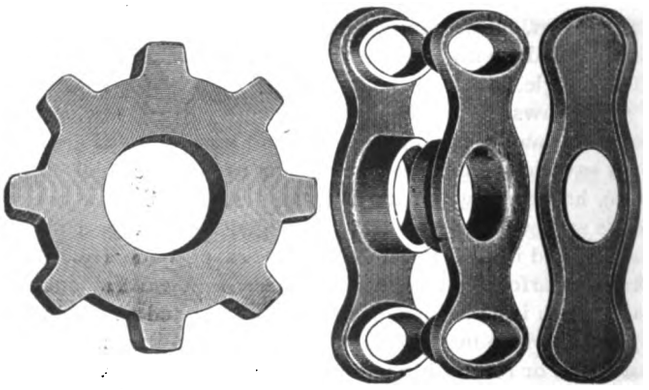


stampings, all tending to reduce the cost of manufacturing wheels, at the same time retaining high efficiency for strength and neatness. Other illustrations of some of the parts manufactured by the A. L. Moore Co. are shown,



such as head cups and cones, crank hanger cups with ball retaining cases, fork crowns, etc.

The A. L. Moore Co. have branch offices at New York, Chicago, and London, the main offices and factory being at Cleveland. They have found it necessary to triple the output of their factory for the coming season, to which end



they have nearly completed the addition of two stories on their present factory, 60 by 180 feet, together with a large separate building for annealing room.

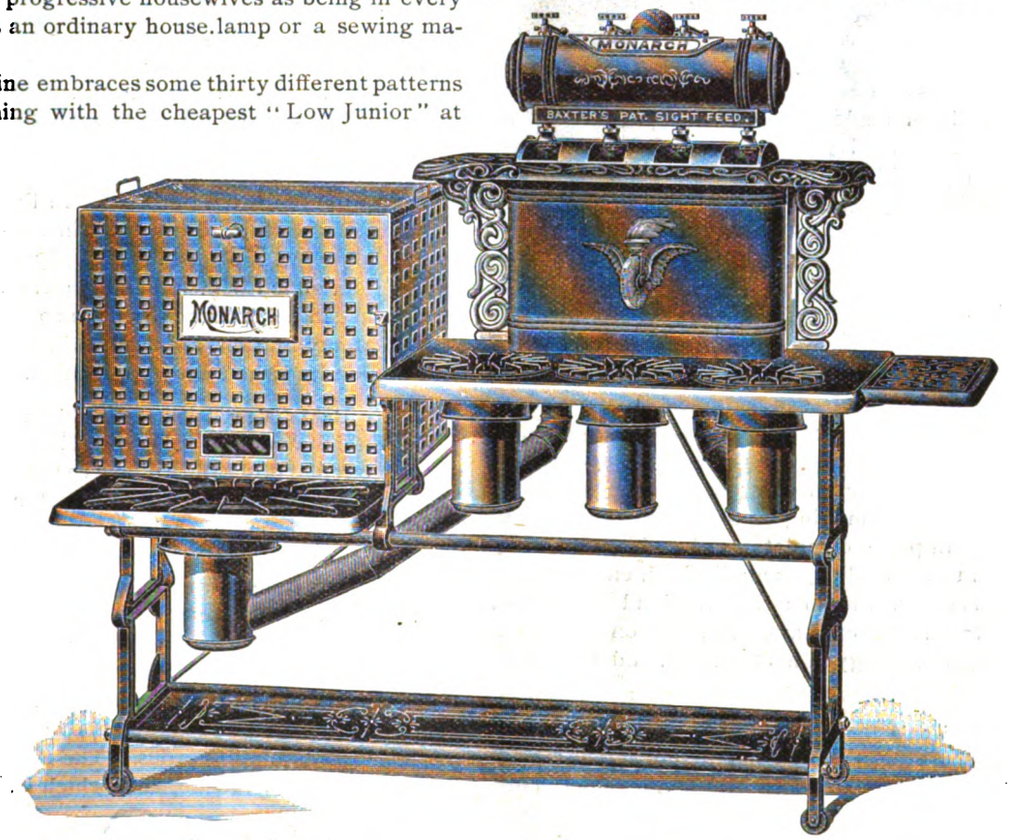
The C. R. Meres Heater Mfg. Co., Norwalk, Ohio, shipped last week two of their No. 3 heaters to A. A. and Captain Clemons, of Marblehead, Ohio, and are shipping this week one to Edward C. Forbes, Cleveland, Ohio, assistant county auditor of Cuyahoga County, and one to Prof. C. P. Doolittle, of Oberlin College, Oberlin, Ohio.

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The Monarch Gasoline Stoves.

We present herewith an illustration of the Monarch "New Method" Gasoline Stove, made by the Monarch Stove Co., Mansfield, Ohio, which the advent of hot weather makes eminently appropriate at this time. The day has arrived when a gasoline stove is no longer considered a luxury, but an actual necessity in the homes of the middle classes, where the wife gives personal supervision to the cooking of the daily meals. There are few things that add to the comfort of the home that is comparable to a gasoline stove in the summer months particularly, and so great a convenience have these goods been found that they are also adopted by thousands of families for the entire year. Their cleanliness and quick work, and the concentration of the heat to exactly where it is wanted, are points that have made these goods very popular. There formerly has existed more or less fear of the gasoline stove, and in the earlier years of the manufacture this fear was certainly well grounded; but so great have been the developments and improvements and safeguards devised, that the element of fear has been entirely overcome, and gasoline stoves are now regarded by progressive housewives as being in every respect as safe as an ordinary house lamp or a sewing machine.

The Monarch line embraces some thirty different patterns of stoves, beginning with the cheapest "Low Junior" at



$3.50, up to the most complete and capacious family range that is sold at $25 or $28. The stove illustrated is one of the newer inventions, which obviates the objection of waiting until the gas is generated, and lights up like a gas-jet immediately upon the turning on of the valve. No odor or smoke arises from the operation; the heat is an intensely hot fire and the operation is as simple and rapid as a gas stove. A novel feature is presented in the oven or baker. This baker is mounted on casters, and when not required for use is run back to the rear of the stove without lifting or carrying, leaving the burner free for other uses. This is one of the most convenient and labor-saving improvements that have been made in recent years, and the Monarch stove for this reason has become very popular. It is true that a prejudice exists among some of the Eastern homes as to the safety of gasoline stoves, but in the Western country where they have been largely introduced, it is the exception rather than the rule to find a home not supplied with a gasoline stove. It is well for our Eastern people to wake up to the wonderful comfort and saving of labor that is accomplished in the use of gasoline for cooking, and to note the fact that the improvements in their construction brought out within the past four or five years have entirely eliminated this old idea of danger in their use. The progressive and vigorous work of the Monarch Stove Co. has been a great education along this line, and not only have Monarch stoves become very popular at home but a large export business is being worked up, and an agency has been established in New York under the management of the well-known and popular Chas. K. Turner, who has been engaged in this line of work for the past forty years in New York. The Monarch Stove Co. are carrying a line of samples with Mr. Turner at his store at No. 76 Broad Street. Agencies have also been established in all the large cities of this country as follows: For New York and Pennsylvania and New England, the Danville Stove & Mfg. Co., Danville, Pa., No. 284 Pearl Street, New York city; No. 107 North Second Street, Philadelphia, Pa.—while other agencies for the Western territory have been established, taking in the entire South as well as the Pacific Coast.

It would be well for all our readers to be alive to the necessity of placing a line of Monarch stoves in their stock, and a letter to the Monarch Stove Co., Mansfield, Ohio, would bring forth all the necessary information as to prices, goods, etc.

Among recent orders for Inter-locking Rubber Tiling the New York Belting & Packing Co. report the following: General offices of the Western Electric Co., West Street, New York city, Pennsylvania Railroad Co. (fifth order), upper and lower cabins complete on new Twenty-third Street ferryboat; American Line (fifth order), promenade deck gangways, steamship St. Louis; Lehigh Valley Railroad, train of vestibule cars, five smoking-rooms; residence in Yonkers, billiard-room, kitchen and laundry.

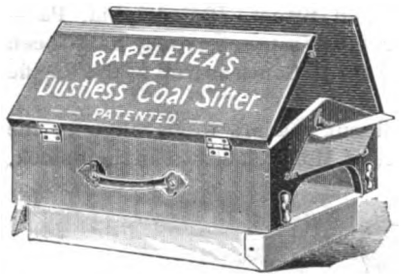
A prominent dealer in Hardware and farm implements of Clinton, Ill., displays a sign over the door which reads, "Cast Iron Sinks." A countryman who accepts all statements, even those on sign boards, as meaning what they say, read the words over a couple of times and then walked leisurely off, as he muttered to himself that "any fool ought to know that."—*Farm Machinery.*

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NEW GOODS AND SPECIALTIES.

Rappleyea's Dustless Coal Ash Sifter.

The Newburgh Sifter Mfg. Co., No. 119 Broadway, Newburgh, N. Y., are manufacturing and placing upon the market Rappleyea's patent Dustless Coal Ash Sifter which we illustrate herewith. Being differently constructed from any other ash sieve now before the Hardware trade, it is claimed to be positively dustless in operation, and deserves the attention of all of our readers dealing in house-furnish



ing Hardware. It is made of white wood, the ash pan being constructed from galvanized iron, and the screen or sieve, which is adjustable, can be replaced when worn out at a merely nominal expense. By reference to the engraving, the door shown at the end of the box is intended as the opening for removing the coal when the ashes are sifted, while from the door at the end of the ash pan, the ashes are taken, after which the sifter can be set away in the box, barrel or other receptacle where the ashes are stored for future removal. The sieve is of a size sufficient to hold a scuttle of ashes. It can be made very useful as well in sifting the dust or dirt which is usually found in nut coal, now so generally used, the retention of which in the coal, from lack of facilities for separating it, creates the deadened fire, so annoying to the intelligent housekeeper. The retail price complete is placed at $1. Discount furnished to the trade upon application, either direct, or to E. F. Benson, Jr., the sole New England agent, No. 146 Franklin Street, Boston, Mass. Mr. Benson is pushing the Sifter with great energy in his territory, and with gratifying success.

Morrison's Boiler Tube Expander.

J. K. Williams, Akron, Ohio, is manufacturing and placing upon the market the Morrison Automatic Feed Tube Expander, illustrations of which we give in the course of this article and which is referred to as possessing among other improvements the following advantages: As will be

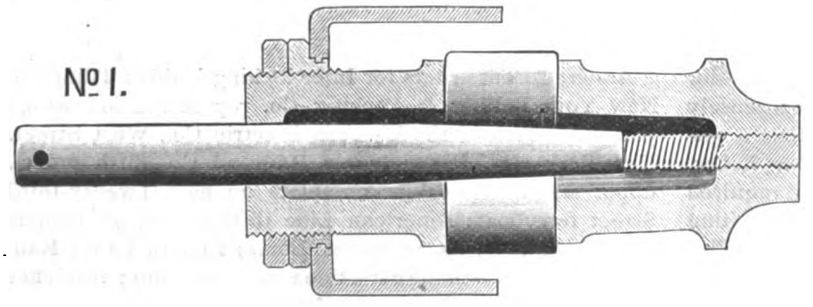


FIG. 1.

noticed, by reference to Fig. 1, the automatic feed does away with hammering on the pin to set out the rolls. The automatic feed gives a uniform pressure, which sets the tube out evenly all around the hole in the tube sheet. In the usual form of expander, constant driving on the pin swages the tube where the rolls rest: and when they are turned so as to cover the swaged places again, they become loose and get the hammer repeatedly in the same position, which has a tendency to thin the tube unevenly and make the hole three-cornered. The even expansion of this automatic feed prevents the bursting or cracking which frequently occurs with the hard steel tubes in general use, when the pressure and hammering is not uniformly regular. As the rolls are tapered in the opposite direction to the pin, it is possible to roll the tube out par-

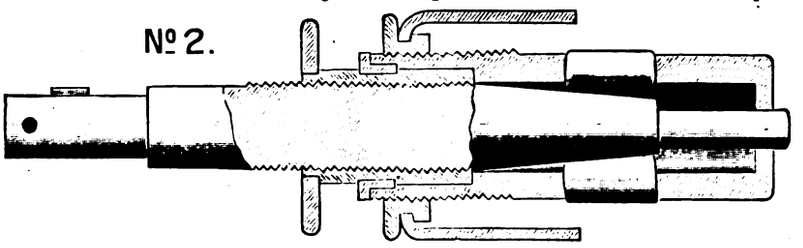
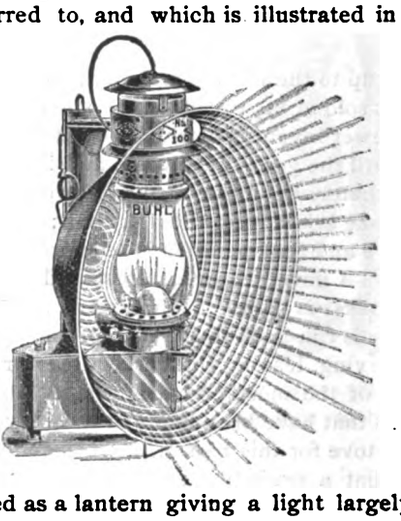


FIG. 2.

allel to the hole in the tube sheet, which makes it equally tight inside and outside and a perfect joint clear through. After the work is done a turn or two in the opposite direction frees the tool from the tube. In Fig. 2, the same tool is shown having an "adjustable" instead of "automatic" feed; a loose nut is placed in the body of the tool, and by having it extended with a hand wheel on the outside, the expansion can be adjusted to suit the operator and the tube worked at any tension required. Circulars conveying full information furnished upon application.

Buhl's New Tubular Headlight Lantern.

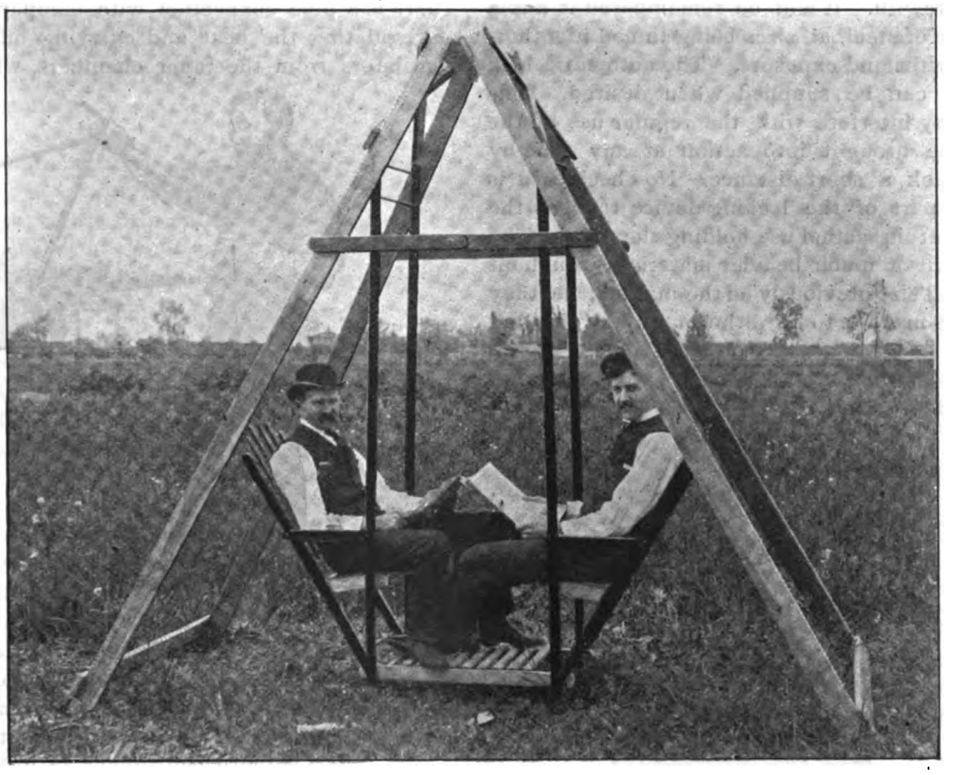
The Buhl Stamping Co., Detroit, Mich., are mailing an attractive circular describing a new case assortment of twenty Tubular Lanterns which they offer at a special net price. This is intended to meet the requirements of small buyers of lanterns who wish to keep a variety of styles without buying too many at a time. It includes six each of their new Side Lift, Top Lift and Dash Reflector Lanterns, and two of their new Tubular Headlight Lanterns. In our "Prices Current" will be found the current quotations on this particular line of goods, the sale of which will be greatly augmented by the adoption of the above extremely attractive method of stimulating sales. The new "Tubular Headlight" above referred to, and which is illustrated in this



article, is described as a lantern giving a light largely in excess of what would be expected. It is claimed that the hood, which is sixteen inches in diameter, is much larger than in similar lanterns. "The Headlight" is provided with a seven-inch nickel-plated brass reflector and new storm top, new lift and low-down oil well of large capacity;

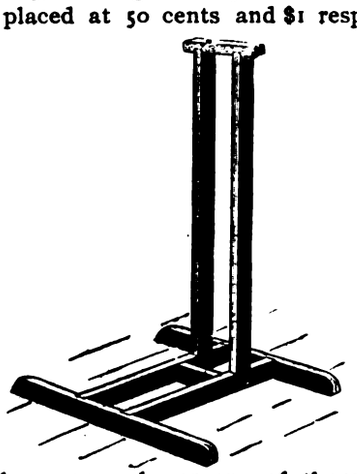
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it has a No. 2 burner and No. 0 globe. It can be filled, lighted and regulated without removing the globe; and it is claimed that it will burn for forty-eight hours in the wind or rain, and stand the severest tests in all kinds of weather on land or water. It would seem as though "The Headlight" would prove a lantern especially desirable for livery stables, stores, factories, picnic grounds; in fact, all places where at a minimum cost a strong light can be obtained if desired.



Tenax Folding Bicycle Stand.

Fred. Hawley, Nos. 40 and 42 Gold Street, New York, has added to the line of Tenax Folding Bicycle Stands a new style which we illustrate below. We gave an extended notice to this new line of bicycle stands in our recent issue of April 10th, the smallest size noticed being intended for four cycles; but a demand having sprung up for a Tenax Stand holding only one or two bicycles has resulted in the addition of two new sizes—No. 4, holding one cycle, and No. 5, holding two cycles, the list prices of which, being placed at 50 cents and $1 respectively, bid fair to make them as popular as any of those already before the trade, the small space occupied making them expressly desirable for use inside the house as well as outside.

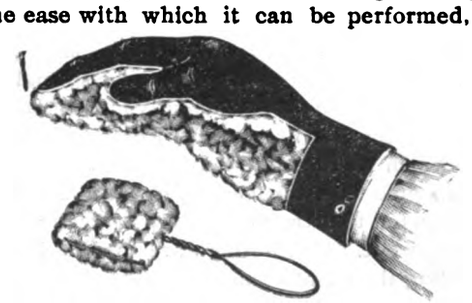


The New Easy Lawn Swing.

The Strobel Mfg. Co., Marion, Ohio, are placing upon the market through the Hardware trade, the New Easy Lawn Swing, an illustration of which we give above. It is made of the very best material, very attractively finished and entirely automatic in its operation. The delightful and healthful exercise imparted by the use of this swing makes it as enjoyable to adults as it is to the little ones who make more frequent use of it. The backs of the chairs are made so they can be adjusted either to sit up perfectly straight or inclined at any angle that may be wished. In order to stow the swing away for the winter it can be closed up in a compact manner, and occupy but very little storage space. Prices and discounts to the trade are mailed by the manufacturers upon request.

Parks' Stove Polishing Mitten.

Parks & Parks, Troy, N.Y., count among their most popular and salable specialties, the Stove Polishing Mitten, an illustration of which we present herewith. All housekeepers know that with the ordinary appliances for polishing a stove, the operation is one of the most unpleasant that falls to their lot, and to avoid the disagreeable task it is too often neglected to the detriment of a tidy kitchen. By the aid of this stove polishing mitten and dauber, which is a great improvement over all other methods, a woman can black and polish her stove or range to the highest degree, without even soiling her hands or clothes, and the labor so universally dreaded becomes a positive pleasure, from the ease with which it can be performed, and the perfect manner of the operation. The mitten makes an equally good polisher for russet and patent leather shoes, or can be used for dusting or polishing furniture. The manufacturers report constantly increasing sales among the Hardware and housefurnishing trade, who have extended the glad-hand of welcome to this extremely useful article.

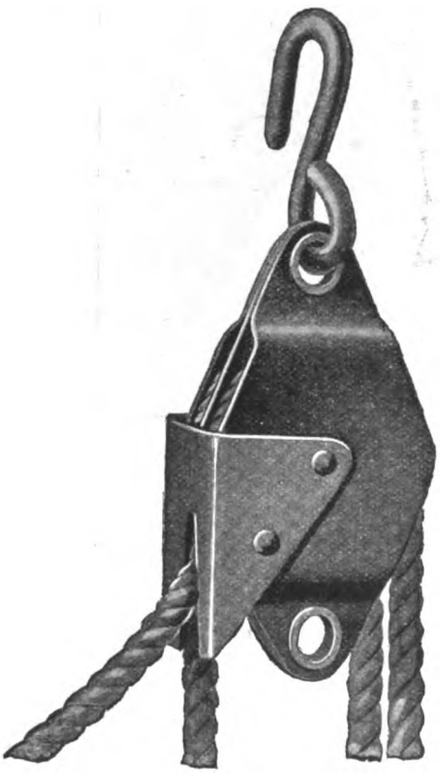


The Junior Tackle Block.

Lane Bros., Poughkeepsie, N. Y., John H Graham & Co., agents, No. 113 Chambers Street, New York, having found the success attending the introduction of "The Junior" Patent Steel Tackle Blocks to be so much greater than they had

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anticipated, have decided to make extensive additions to their line which had previously been confined to small sizes only. They are now offered in sizes adapted to any size of rope up to and including ¾ inch. They can be furnished in single and double sheaves, either with or without automatic lock as desired. We present an illustration of "The Junior" herewith. It will be remembered it has a case made entirely of steel, all sizes being tinned in a thorough manner to withstand exposure. The automatic lock above referred to can be supplied when desired. This does not in any way interfere with the regular use of the block, but may be brought into action at any time by simply stepping back a short distance. No check cord is required, and no part of the locking device touches the rope at all when not in actual use holding the load. The new blocks are built of much heavier material throughout than were the small size previously on the market; and they are claimed by the makers to be a thoroughly strong and



reliable block, while the low price brings them within the reach of many who, having only occasional use for such an article, have hesitated about purchasing the more expensive kinds.

The Eureka Brazer and Enameling Oven.

The Union Heater Supply Co., Detroit, Mich., in connection with the large large line of similar specialties with which they have long been prominently identified, are manufacturing the Eureka Brazer and Enameling Oven, the former of which we illustrate herewith. The burners are made of coil pipe with the best brass needle valves, and are so constructed that they can easily be removed should necessity require it. The burners are mounted on swivel joints enabling the user to place the flames directly opposite each other, or at any angle required to get the benefit of the most intense heat. The fire shield is made of heavy sheet iron with a heavy asbestos lining, which can be replaced when necessary. The wing on either side can be dropped so as to admit large work; it can also be raised or lowered. The tank is made of heavy galvanized steel, tested to a pressure of 150 pounds. The pressure gauge is made to show 30 pounds; has nickel ring with nickel dial, and brass nipple connected to tank; the cut-off valve is of globe pattern, and is quick acting. The Eureka pump used in connection with the brazer is 2x22 inch cylinder, nickel-plated, with metal valves, and heavy cast iron base which can be screwed to the floor. The Eureka Enameling and Core Oven also manufactured by the company is intended to do the finest kind of work, and is built of the very best heavy soft sheet iron, with double walls and double seamed all around. The outside walls are lined with asbestos, secured with iron straps, and stay-bolts between walls. There is a pipe connection with damper, for the purpose of regulating the heat and carrying off any fumes; also ventilators from the inner chambers, which are very im-



portant when the oven becomes overheated. The burners are so placed that the flames strike a reflector on the inner bottom, distributing the heat and preventing the burning out of bottom. These burners swing out from under the oven, making it more convenient to light them. It consumes from one to one and one-half gallons of gasoline per day. Catalogues with full description will be forwarded upon request.

Edward C. Van Glahn, the active manager of the wholesale and retail Hardware house of White, Van Glahn & Co., No. 15 Chatham Square, New York, leaves the city to-day, accompanied by his wife, for a five weeks' visit to the Pacific Coast. Mr. Van Glahn has certainly earned a vacation, not only through his regular business labors, but also from his services as a member of the board of governors of the Hardware Club of New York, where, as chairman of the admissions committee, and a member of the house committee, he has given time and loving labor to the best interests of the club. He will stop occasionally en route, to visit the larger cities and other attractions on his way. In going, he will pass through Denver and Salt Lake City, and return by the way of Oregon and Omaha.

The steel work in the new building for the Catholic Protectory at Van Nest, N. Y., has been awarded the Berlin Iron Bridge Co., East Berlin, Conn. This building is two stories high, having a floor supported by steel posts and girders. The roof construction is to be steel trusses supporting slate covering. The building is 60 feet wide and 160 feet long, having projections 60 feet long and about 30 feet wide on either side at the center, for the organ loft and gallery. The ceiling of the upper floors or main auditorium will be arched, and the gallery erected of light steel work will be much lighter than it would have been had clumsy wooden construction of wood columns and beams been used.

H. H. P. Seabrook, of the Anglo-American Novelty Co., dealers in fancy goods, cycle accessories and Hardware, No. 21 Edmund Place, Aldersgate Street, London, E. C., is in this country on business connected with his company.

HARDWARE'S "Prices Current" are reliable.

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The New Departure Automatic Brake.

The New Departure Bell Co., Bristol, Conn., John H. Graham & Co., No. 113 Chambers Street, New York, sole agents, are manufacturing and placing on the market through the Hardware trade and dealers in bicycle sundries, their New Departure Automatic Bicycle Brake, which in conception and application is about as original and as radical a change from the present standards as one could imagine. We present herewith a number of illustrations which will convey a clear idea of the points of excellence referred to.

A glance at the illustrations—which are here given one-half actual size—will at once demonstrate its extreme simplicity and its right to the title of the greatest adjunct to the safety and pleasure of cycling, as well as one of the longest strides in the progress of cycle building which has yet been conceived.

The construction shown by the drawings is that made use of when the hub is specially constructed to include the brake as an inherent component of the bicycle. When applied to machines already in use it is furnished in form to which reference will be made further on. This construction is obviously subject to such minor changes and modifications as are required to adapt it to the conditions of different manufacturers, but such modifications will be slight, and will readily suggest themselves upon inspection.

The automatic brake properly consists of two parts, which may really be classed as integral parts of the machine itself. In Fig. 1 is shown the brake assembled complete. It is applied to the rear hub, between the sprocket and the fork, and occupies the space which is always there found. It consists simply of a split expansion ring, and an internal friction faced drum in conjunction with the hub and sprocket. A is the hub with the flange A1 and the lug A2 formed in one piece. This is shown in detail in Fig. 2. B is the sprocket, which has a slot cut out to allow it to slip over the lug A2. C is the split expansion ring, which is slipped upon the hub with the enlarged end fitting into the slot in the sprocket and the other end abutting against the lug A2. (See detail of ring Fig. 4). The ball cup F (Fig. 5) is then set into the end of the hub, and over all is placed the cap E, which forms the internal friction drum, its inner surface being provided with suitable friction material. (See Fig, 6).

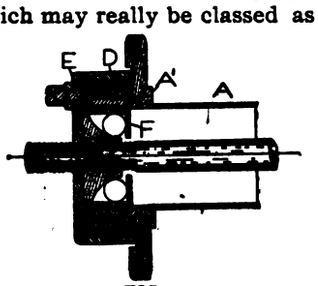


FIG. 1.

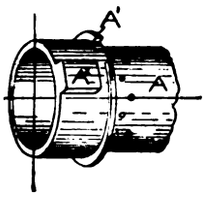


FIG. 2.

It will be noted that this construction requires no screw threads on either hub or sprocket, and is extremely simple and inexpensive, with no screws or loose parts to become broken or deranged in any way.

In case of danger from obstructions of any sort, or preparatory to riding down a steep hill, the natural impulse is to hold back upon the pedals and firmly grip the handle bars. This is as involuntary and unconscious on the part of the rider, whatever his degree of proficiency, as it is for the pedestrian to slacken his pace under similar conditions. So soon as the rider ceases the forward motion of the pedals, and attempts to hold back, the automatic brake comes to his aid and is in instant action even without any backward motion whatever upon the pedals. The retarding of the sprocket causes the expansion ring C to expand, and the outer surface is brought into frictional contact with the inner surface D of the friction drum, the latter being held against rotation. This causes positive braking of the wheel, and whether slowly or suddenly applied, the braking action is smooth, positive, and of instantaneous effect. There is no back lash of either chain or sprocket, and no backward motion whatever is required to set the brake on firmly, simply holding back upon the pedals accomplishes the desired effect, whether it be to merely slacken the speed or come to a full stop. It is claimed that in case of sudden obstruction the wheel may be brought to an instant dead stop, and this without any strain upon any part of

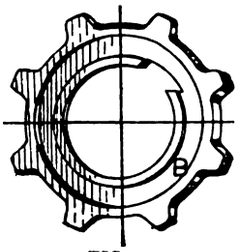


FIG. 3.

the machine; without any pressure whatever upon the balls or bearings, and with no danger of unseating the rider.

The manufacturers state that when supplied for wheels already in use, the brake is furnished already assembled upon an interchangeable rear sprocket so that all the rider has to do is to unscrew the old sprocket and screw on the new one, and the thing is done.

The manufacturers believe that a thorough examination of their great improvement will convince the most skeptical that the ideal brake has been found as the New Departure Automatic Brake fills to the fullest extent the essential qualifications demanded in the ideal brake, which are: That it shall be absolutely automatic, and operated with no conscious effort on the part of the rider; it must not detract from the beauty of the wheel; must cause no appreciable increase in weight; cause no wear upon the tire; bring no strain upon the chain, sprockets or other parts, and no crushing strain upon the ball bearings. It must be instantaneous and positive in its action whatever be the muscular capabilities of the rider; it must be of absolute reliability when wanted, but entirely out of the way when not in operation, and, most important, it must in no way interfere with the normal motion and action of the bicycle. To all the foregoing must be added the greater and imperative requirement, that the rider shall at all times be able to keep his hands and feet firmly in proper position on the handles and pedals and never, even for an instant, lose control of his machine.

This ideal, exalted and exacting though it be, they feel has now been fully realized, and in the new automatic brake herein described will be found embodied every requirement and advantage demanded of the perfect brake.



FIG 4.

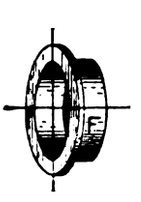


FIG. 5.

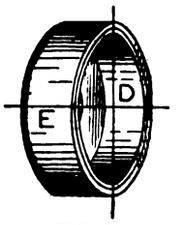


FIG. 6.

The presence of the brake adds in no wise to the appearance of the machine, and no one would ever realize that there was a brake upon it unless he knew where to look and what to look for. Circulars, fully describing this new departure in the construction and application of bicycle brakes, will be sent upon request by the manufacturers.

"I suppose your daughter is just like mine—rather ride a wheel than eat."

"Not exactly; but she would rather ride a wheel than cook."—*Michigan Tradesman.*

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The Climax Stoves and Ranges.

Ever alert to keep abreast with the times, and to meet the demands of this progressive age and people by constant watchful care of the interests of the trade, Taplin,



FIG 1.—CLIMAX RANGE.

Rice & Co., of Akron, Ohio, anticipate the wants of the public, and are constantly bringing to notice novel and superior adjuncts to their deservedly popular line of Climax Stoves and Ranges, which has always maintained an enviable and leading position in the branch of trade to which it belongs, and so well established, that the word



FIG. 3.—CLIMAX JUNIOR.

"Climax" has become a synonym of superiority and perfection. With the present issue of *Hardware* it is our privilege to present to our readers a few of the recently constructed novelties offered by this enterprising and representative establishment, whose reputation for finished workmanship, originality of design and complete construction is second to no other stove house in the country.

In the 1897 pattern of cast iron Climax Range, which is made in the various conventional styles and sizes (with and without hearth), is presented a remodeled, newly ornamented, reconstructed range, which is well and favorably known throughout the Western market as a strong competitor of all the leading, first-class, high grade ranges, having special features to commend it as a culinary article of superior merit. The introduction of it in any market is a guarantee of additional trade.

The Modern Climax, just completed, is a well constructed, model steel range, made in plain, portable and flush reservoir style, equal in beauty of finish and ornamentation to anything on the market, and it is destined to become a very popular range and ready seller, combining in its construction special features, with all the essential and important appliances found in strictly first-class steel ranges heretofore recognized as standard goods, and any



FIG. 2.—MODERN CLIMAX.

dealer who can secure the agency of this range can account himself as very fortunate.

Another very attractive and popular novelty, especially designed for and adapted to service in smaller families, is the Climax Junior, a strictly first-class four-hole cast iron range, having balanced drop oven door, similar to arrangement found on the larger Climax range, with a counter balance weight working vertically in the end flue, and shaking and dump grate so arranged as to be perfectly operated from the outside; has sectional fire box linings, pouch extension for wood, together with other modern improvements which a constant careful study has suggested as desirable features.

In the Buckeye Climax, we find a new medium price four-hole cook stove, made in square top and flush reservoir style, strictly first-class in form, ornamentation and finish. It is supplied with duplex grate, large ash pan and sliding hearth so arranged that air is admitted to feed fire without the use of the slide in front door, making it substantially an air-tight cook stove, thus permitting the maintaining of fire for a long time, a commendable feature

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which all who have occasion to use a cook stove will appreciate.

For a cheaper four-hole range, for the price asked, none can be found excelling the Gem Climax Range. It is perfectly mounted and finished in various popular styles, and as a medium price four-hole range is in every particular as its name indicates, "a perfect gem."

Among their new productions in the way of heating stoves which have come inte popular favor during the last

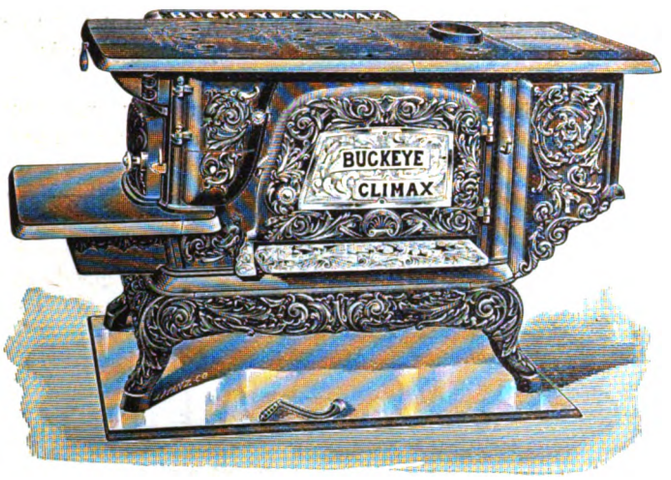


FIG. 4.—BUCKEYE CLIMAX.

season, they offer with confidence the Air-Tight Climax for soft coal, illustration of which is presented herewith, so constructed that perfect combustion of gases in the fire chamber and consequently economy of fuel is secured. It is constructed with four vertical air ducts or blast pipes leading from the ash pit to the upper part of fire pot, where they enter same and serve as a top blast, and by supplying fire chamber with air sufficient for proper combustion of the gases, all the virtue of the fuel is utilized, and this principle, combined with peculiar form of grate used in this stove, obviates the waste of fuel and prevents the formation of clinkers.

As suggested, the above illustrations form but a meagre outline or hint of the products of this enterprising firm,



FIG. 5.—GEM CLIMAX.

whose constant study and aim has ever been to maintain the high standard of excellence which their Climax line has enjoyed in the past. As has been well said: "Among the stove factories of the present age, it is safe to say that none exist whose goods are formed from better material, more carefully constructed, with better workmanship and finish, none which possess in all details more essential features and improvements than does the line of which we speak. When once introduced, their perfect form and finish will



FIG 6.—AIR TIGHT CLIMAX.

attract attention, their inherent values will insure sales, and their splendid service will remain a constant and never-ceasing advertisement for the dealer who has the privilege of handling them."

New England Iron & Hardware Association.

The New England Iron & Hardware Association held its fifth annual meeting in Boston, on the evening of Tuesday, June 15th. The gathering was at Young's Hotel, and took the form of an annual dinner. At the conclusion of this Charles H. Breck, chairman of the bureau of credit, presented a report of the work accomplished by his department during the year. The report of Frederick H. Butts, clerk, was received. Reports were also made by the chairman of the heavy Hardware committee, chairman of the shelf-Hardware committee, of the metal trades, and by Charles H. Breck, the treasurer. This latter showed that the organization is in a satisfactory financial condition.

The following gentlemen were named as directors for the ensuing year, by the nominating committee, of which William Q. Wales is chairman: Leon C. Carter, Henry C. Bangs, Charles H. Breck, John T. Boyd, G. W. Herrick, Charles F. Dowse, H. L. Doten and Hayward C. Dodge. These gentlemen were elected unanimously. Charles H. Breck succeeded himself as treasurer, while John T. Boyd was elected as clerk as the successor of Mr. Butts. At a meeting of the board of directors Leon C. Carter was elected president and Henry C. Bangs vice-president. It was decided that the July and August meetings should be omitted.

"Work up a good, solid business by solid business methods. Coax and wheedle, and suggest, and argue—don't try to yank trade in by the hair. As Bill Nye once sagely observed: 'When you want to kiss a girl, don't grab for it. Take your time—*it's there.*'"

HARDWARE costs only One Dollar a year.

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The Winton Hydro-Carbon Motor.

After some three years of experimental work upon a motor vehicle which should fulfil all the necessary requirements, the Winton Motor Carriage Co., Cleveland, Ohio, was organized on March 30th, and is now manufacturing carriages for the market in their works in that city. On September 1, 1896, Mr. Winton, president and master mechanic of the company, completed his first motor carriage. This has been in constant use since that time in all kinds of weather and over all sorts of roads. On Decoration Day he made a mile on a circular track with this machine in the phenomenal time of one minute and forty-eight seconds. In sixty days after the organization of the company, the first new and improved carriage was turned out, an illustration of which is herewith given. On June 12th this new carriage was given a road test of sixty miles from Cleveland to Elyria and return. The day was a warm one, and the roads torn up, and for six miles were a bed of sand, yet the motor went bravely through with four passengers, and consumed only six gallons of gasoline. Five miles of the route were covered in sixteen minutes, and the running time was five hours for the sixty miles.



The Winton motor carriage resembles an ordinary trap with the seats back to back, each wide enough to seat three persons comfortably. The motor and driving mechanism are snugly concealed in the body of the vehicle and are self-lubricating. The wheels are 36 inches diameter in the rear and 30 inches diameter in front, and equipped with nickeled spokes, steel rims and three-inch pneumatic tires. Ball-bearings are used throughout, thus securing the greatest freedom from friction and wear. The body is supported on easy riding springs and is handsomely finished in polished natural wood with nickeled trimmings and leather cushions and dash. It will be provided with canopy top when ordered. The weight of the entire machine is 1800 pounds.

The ten horse-power motor is of the hydro-carbon type, compact, powerful and practically noiseless, odorless and free from vibration. It uses gasoline, available everywhere (carrying seven gallons), which the patent feeder converts to a fixed gas before entering the cylinders. It is economical in fuel and costs less than one cent per mile, carrying six passengers over ordinary country roads and city streets. The improved igniter is positive in its workings, requires no adjustment and will run for years without any attention. Mr. Winton's perfected and patented pneumatic governor places the machine under control and by pressing a button the speed can be increased and held anywhere from zero up to the maximum power of the motor, which is capable of thirty miles per hour, and the transmission of power to the wheels is thus explained. The carriage is operated by a lever, which at will engages, releases or reverses the driving mechanism or applies the brake. The steering gear is simple, ingenious and easily handled.

The company state that they are in position to make deliveries within sixty days. They now have a contract with the Automatic Co. of Cleveland for their entire output of carriages outside of vehicles for private use and will shortly turn out a light phaeton motor, which will sell at a popular price and will be fully described in their catalogue to be issued soon.

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Business Stationery.*

BY NATH'L C. FOWLER, JR., DOCTOR OF PUBLICITY.

All printed matter is advertising matter.

The billhead, the letter head, the business card, and the envelope are articles of advertising, and yet must not be reckoned as advertising mediums.

Commercial stationery may be likened to commercial clothing, and as men are judged by the clothes they wear, so may the house be judged by the stationery it uses.

It is true that the swindler engraves his stationery, and gives the nicest care to the outward appearance of his business.

What if he does?

If good stationery will assist in making bad business good, why should it not all the more make a good business better?

Both the confidence man and the good salesman are well dressed.

Poorly printed stationery stands for false economy or forced economy.

The over-elaborate design may be detrimental to the business.

The correct form of stationery is that appropriate to the business, neither too good nor too bad.

It is better to have the stationery too good than to have it too poor.

Because many rich concerns use the poorest of stationery is no more proof of the advantage of economy in letter paper than is the fact that many a rich man dresses like a beggar.

Good stationery must make a good impression.

Bad stationery may make a bad impression.

Appropriate stationery creates and holds respect.

On all stationery must be given the name and full address, including the State, and proper names must not be in fancy or illegible type.

The receiver of the letter should not be obliged to puzzle out the name of the writer.

If the letter is signed by an individual, that party's name should be printed on the letter head, so that the identity of the writer, and the spelling of his name, can be discovered, even if the writing is poor and the signature blurred.

Billheads should be printed in the extreme of distinctness.

Nobody should be given opportunity to incorrectly make out a check.

Often days, and even weeks, elapse on the collection of a check because the maker of the check could not readily read the business name or title on the bills.

When in doubt, use a plain Roman letter.

Simplicity in stationery is stationery art, indeed.

The most artistic stationery, whether engraved or of the letter press, is of simple design, and of perfect clearness.

*Copyright, 1897, by Nath'l C. Fowler, Jr.

A Human Hardware Store.

In Kansas City, Mo., on June 14, 1897, Harry Whallen, famed as the "Human Ostrich," who ate knives, nails, tacks and glass for the entertainment of the morbidly curious in dime museums and side shows for years, died on a cot in the German Hospital.

Whallen had more nerve than thousands who have adorned more laudable pursuits. He did not lose it under the remarkable surgical operation of Saturday morning, when his stomach was cut open and 120 pieces of iron and a handful of nails were taken therefrom. He went to the operating table stoically after having been told that his chances of surviving were slender. When he came from under the spell of anaesthetics he inquired if the operation had been successful and asked eagerly how many nails and knives had been taken from him.

Whallen seemed to rally well from the operation, but thirty-six hours after it was over he began to sink, and soon passed away. The operation which relieved him of 120 pieces of Hardware and a handful of glass, was successful, as was disclosed by a post-mortem examination, and of itself would not have been fatal. But Whallen's internal organs were in such a bad condition that the shock was fatal.

Whallen was twenty-seven years old, and was a native of Louisville, Ky. He began his glass-eating career when ten years of age, and there have been few days since, according to his statements, when he did not eat a lamp chimney or a beer glass for breakfast, to say nothing of tacks, nails, screws and jack knives. He had traveled with the Barnum & Bailey, Sells, Forepaugh and other big shows, and had been in museums in all parts of the country. He said that he never felt the slightest ill effects from his remarkable diet until two weeks ago, when in Pilot Grove, Mo., he gave a street exhibition, bringing his gastronomical feat to a climax by swallowing a two-bladed Barlow knife.

He arrived in Kansas City with a pain in his stomach, which grew so bad that he applied to the city physician for relief. His story was laughed at, but finally other physicians were persuaded to examine him with the fluoroscope.

The examination showed the correctness of his story, and an operation was decided upon. The operation showed beyond question that it was the Barlow knife that had caused all his trouble. The doctors marvel that Whallen had been swallowing glass, nails and knife blades for seventeen years without having his stomach or internal organs punctured.

Whallen declared that by eating heartily of oatmeal and coarse foods such as bacon, cabbage, potatoes and corn bread he had never before failed to expel the Hardware and glass which he swallowed daily.

The physicians who attended him will not express an opinion on Whallen's theory nor will they advance a theory of their own, beyond the assertion that Whallen had had a streak of marvellous good luck, which, however, deserted him after seventeen years.—*New York Herald.*

His Job Is Gone!

The past week has been one fraught with woe, woe, woe, for the calamity howler. His job is gone, and let us hope he will seek some dark and noisome cave far removed from civilization and hibernate till the human beings now on earth will forget that there ever existed such a disagreeable thing, bearing the semblance to mankind.

From every quarter comes bright news. In nearly every branch of business there is noted either a decided improvement, or infallible signs of early improvement. Capital is seeking investment; merchants stocking up; real estate changing hands; prices of products of farm and mine advancing; big manufacturing plants preparing to increase output, and business men taking hold with renewed confidence.

Trade has shown a steady increase from the first of the year and prospects were never brighter for a good summer and fall trade, than at the present time.—*Farm Machinery.*

The American Institute fair, to be held from September 20th to November 4th at the Madison Square Garden, New York, promises to eclipse all its predecessors. The exhibits will include stationary engines, pumping machinery, iron and wood-working machinery and tools, textile paper and tanners' machinery, ore crushers, etc.

Have a name for good goods and keep it before the public.—*Hardware and Metal Reporter.*

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Review of the Markets.

Hardware: With the vacation list already in operation, the indefatigable travelers resting on their laurels, and extending a welcome to the breezes of Coney Island, the rush of business may be considered over for the season. A few mail orders for previously specified wants, or the filling of "back orders," constituting—outside of any local demand—about all the business seemingly in sight.

Wire Nails: In the absence of any strength being shown among the wire rod producers in the effort to effect a combination, the discussion of which agitated the large buyers recently, the wire nail market is quiet. The mills having caught up on old orders, feel disinclined to enter any new specifications for July or August delivery. The usual shutdown of the mills will occur during July and still further shorten a warehouse stock that is by no means large at the present time. It goes without saying, that few buyers anticipate any lower quotations for the future than are made at present. Car load lots at mill, f. o. b., are quoted at $1.35. New York prices for smaller lots from store, $1.55 @$1.60.

Cut Nails: But little is doing except relatively in this especial line, and prices may fairly be considered in the interest of the buyer. Car load lots at mill are represented by the quotation of $1.20@$1.25, f. o. b. New York prices for small lots from store are based on the previous quotation of $1.40 delivered for car load lots.

Linseed Oil: The Dean Linseed Oil Co. quote as follows: In lots of less than 5 barrels, 30 cents per gallon; in lots of 5 barrels or more, 29 cents per gallon; Boiled Linseed Oil, 2 cents per gallon higher; Calcutta Oil, 50 cents per gallon.

THE PHILADELPHIA TRADE.

We are now approaching the Fourth of July, when business takes a rest for a few days; vacations are in order; salesmen are in; farmers are harvesting and general midsummer dullness is the rule, as far as business is concerned.

If trade should be lively at this time of the year, it would be a most unwonted change, and yet we are glad to say in the last few days business has taken somewhat of a turn for the better, and orders are not only more numerous but larger in quantity and volume, while raw material is looking upward and many goods which have been quoted at low prices are now restless and inclined towards an advance.

There is no doubt the market is in a waiting state, but prices are now so low that manufacturers will be glad to advance on the first opportunity. There have been no quotable changes in prices, but the general tone can be described as firm. Collections seem to be somewhat on the mend, but the cold and wet weather has rather hurt the retail trade, and complaints are heard from some sections, but the summer is still young and we may have plenty of heat before it is over.

There seems to be a noticeable scarcity of poultry netting and screen doors, but although this is the case, prices do not show the improvement in those lines which might be expected.

On the whole trade may be said to be looking upward; everyone is more hopeful, and there are some indications that better things may soon be expected.

BIDDLE HARDWARE CO.

THE PITTSBURG TRADE.

Transportation facilities about Pittsburg will be materially advanced very soon. The purchase of the Monongahela Slackwater Navigation Works by the national government is about completed, and it is expected that within thirty days the Monongahela River will be free of all tolls, thus relieving our coal men of a heavy burden. The new Carnegie railroad to Lake Erie is also nearing completion, and it is expected to be in operation by August or September. This road intends to carry rough freight, such as ore and coal, at rates much below anything known up to this date. It will be a freight road only; no attention will be given to passenger traffic.

An invention has been seeking capital in our city, which seems to have merit. It is a machine for picking cotton from the plant and is operated by horse power. It has picked 1700 pounds of cotton in 2¼ hours in an ordinary cotton field. If it can be fully perfected to do continuous work, there shall be a big fortune in it for the owners. It will be for the cotton planter what the harvester is for the wheat growers.

Trade is holding out quite well for this time in the season. Summer weather is now with us and will move goods which have been hanging, caused by the cool spring.

LOGAN-GREGG HARDWARE CO.

THE MINNEAPOLIS TRADE.

While business is not very brisk, and local collections are poor, still there is a hopeful feeling that results for the year, as a whole, will be better than the past four years. There is very sharp competition by local dealers on every little contract for trimmings on a $1500 job, such bills being figured closer and closer, and in many instances there cannot be much more than freight charges left. This would be serious in good times with a much larger volume of business, but now with the small amount of building operations going on it is doubly so.

The price of nails has been reduced to $1.50 rates by local jobbers and manufacturers who carry a stock at this point. This makes it difficult to get more than this, as in many cases some jobbers will not hesitate to name a large contractor and consumer bottom prices, thus making it difficult for the dealer to get a satisfactory margin of profit. This is one of the things that should be remedied.

The tool trade is better than it has been for the past two or three years: this is an encouraging sign. The prospect of good crops was never better; this is general throughout the whole Northwest. We have had plenty of moisture and are now having warm growing weather. With good prices we shall be in excellent shape in the Northwest this fall.

W. K. MORISON & CO.

THE BALTIMORE TRADE.

Any great amount of business at this time of the year is unlooked for. June the first usually ushers in the dull days—a sort of preparatory period for the summer holidays, inventory for some, rest time for others. The month of May was a comfortably busy one, and, had weather conditions been favorable, it would, no doubt, have largely exceeded in volume the corresponding period of the past two years. The continued cold weather lasting throughout the month greatly retarded the growth of fruit and many farm products in this section. This delay was inconvenient to the country store keeper, as the money put in circulation by the sale of such products, was temporarily withheld. When the glad sunshine comes, bringing a blush to the peach and lusciousness to the berries, the revenue due the country merchant will flow into his till.

Looking back over the events of the past six months we see much to be grateful for. Values have been well maintained, combines of a dropsical nature have been punctured, thus eliminating a very disturbing factor. The marvelous growth of our export trade has furnished an outlet for the surplus product. The movement of goods throughout this period has been fairly satisfactory, March, April and May showing the most activity. Returning confidence has been gradual, but sure, increasing materially during the present month.

A word as to the outlook. The crop prospects, gauged by government reports, are more than favorable. Railroad earnings show a marked improvement, the exports of cereals from this port showing a larger percentage of in-

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WE MANUFACTURE

FIRE POTS, TORCHES, BRAZING MACHINES, CORE AND ENAMELING OVENS,

SELF-HEATING TAILOR IRONS,

Confectioners' Heaters, Bicycle Pumps, Wall Torches, &c.

Union Heater Supply Co.,* 91 Congress St. E., *Detroit, Mich.

crease than any other port in the country. While some of this may be due to the differential rate of freight in favor of Baltimore, much of it is undoubtedly due to superior harbor accommodations and quicker methods of handling.

A speedy adjournment of our national legislators is desired. The farce at Washington each year becomes more grotesque. The inconsistencies of the metal schedule of the proposed tariff bill are so apparent as to require no comment. Just let them pass a law, *any old law will do*, so that the uncertainty incident to such agitation is removed. If their efforts were confined to home affairs we might reasonably hope for more speedy action. The paternalism of our law givers is unique. It will prompt them to reach out an arm a thousand miles into the Pacific to protect the sugar-producing, leper colony of Hawaii, and yet they cannot reach out sixty miles into the Atlantic to succor and relieve poor down-trodden Cuba—fighting for liberty to-day the same battle fought by us a century and a quarter ago. That old latin proverb about fits the case: *Ubi mel, ibi apes* (Where there is honey, there are bees). There is not such a broad difference between honey and sugar. Oh, yes! We are happy and hopeful.

TABB & JENKINS HARDWARE CO.

THE COLUMBUS TRADE.

Trade is holding on extremely well, and from the amount of mail orders we receive, it indicates that merchants' stocks are light, and the demands for goods good. We have had very hot weather for a week (weak) back and some severe storms. The weather bureau issued a bulletin to-day that a cyclone would strike at one o'clock to-day. We all began to think of holes to crawl into should the prediction prove true. I tried to think of some mean thing I had done, so as to make myself small enough to get in a small but good hole when I heard it coming, but it was a failure, as I have always been a good boy. Thank the Lord the cyclone did not come, and we are all right end up.

The flurry on nails and wire has subsided, and merchants are buying as they need from week to week. We know of some jobbers who saw a fortune within their grasp apparently, and tried to buy all the nails and wire in the country. They are now trying to unload through brokers at a loss. As a rule, it is better to be sure of a small profit than to chance the fickleness of the market.

Heavy goods seem to be pretty firm, but quite a number of articles are very low in price, and it would seem that there was no margin of profit for the manufacturer.

This continued whittling down of prices reminds me of the man who had a big trade on Albata spoons, and he insisted that he must have a better price. The manufacturer said he could not make any reduction, unless he put in more lead. The merchant said, "All right; use more lead." It was not long before he wanted another reduction, and he got the same answer from the manufacturer. He got instructions from the merchant to use more lead, as he must have the spoons at a less price. Still he was not happy, and wanted another reduction. The manufacturer informed him that it was impossible; that he could not make any lower price. The merchant wrote back and said, "Put in more lead." The manufacturer answered and said, "I can't do it, as the last lot I sent you were all lead." We must admit that many goods have been reduced in price from time to time, either by the importunities of dealers, or willingly by the manufacturer, until the quality is like the last lot of spoons.

Quality don't seem to cut much figure with some dealers; all they want is price, and it is hard work to sell a good article in competition with a cheap one. No doubt the scarcity of money for the past two years had a good deal to do with it, and we think it will not be long before good goods will be in demand again. People will find they are the cheapest in the end. We cannot but think that better times are here already, and will grow still brighter from month to month. If Congress will do what they were convened for, and go home to the bosom of their families, it will hasten the advent of good times, and we will all say "Amen."

SMITH BROS. HARDWARE CO.

THE DAVENPORT TRADE.

Will *Hardware* please forego for a few days the pleasure of standing on tiptoe in an overcrowded elevated car, hanging to a strap for two hours a day, between Harlem and Chambers Street; even give up the material and social comforts of the New York Hardware Club, and take a trip West? We invite you to come out here on the 28th inst. and visit the Iowa Hardware Jobbers at the home of its president, shake hands with Mr. Fernley, secretary of the National Hardware Association, and gather in one immense bundle all the concentrated knowledge that has been gained from long years of experience by these active representative Hardwaremen of Iowa. We urge you to come. Will show you the largest government arsenal in the United States; a double deck, double track railway and wagon bridge made of the finest quality of steel; a perfect water works system and the largest and best filtering plant extant; the great Bettendorf Steel Works, which are the wonder of this steel age; the Bettendorf Metal Wheel Works, who ship goods everywhere; the Sylvan Steel Plant; the largest plow factories in the world. Show you how to make maple sugar out of Iowa corn, and last but not least, the great store and warehouses of

SICKELS, PRESTON & NUTTING CO.

THE ST. PAUL TRADE.

The condition of trade in our section is very fair. We have had very favorable weather, except for corn, on which we depend but very little. Prices are badly cut, particularly on nails and barbed wire, but this condition has lasted so long that we are getting used to it, though we cannot say that we enjoy the condition. We often think of the long ago, when we could get larger profits and when the sales, though small in amount of goods, were large in amount of money and profits. The writer has before him a price book of the early seventies, and in comparison often wonders why we did not fail in business, while the decline to present prices was taking place. Just to show what has

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Seymour Cutlery Co., ESTABLISHED 1839.

—SUCCESSORS TO—

HENRY SEYMOUR CUTLERY CO.,

Office and Factory, Holyoke, Mass., U. S. A.

Seymour Shears ARE THE STANDARD.



- Every pair is fully warranted and if found imperfect from any cause will be replaced with perfect shears.

No commission house is sole agent for the SEYMOUR SHEARS.

- Notice our imprint on every paper pocket inclosing shears.
- Write for Catalogue and prices.

OILERS

25c. 10c.





Highest Grade Oiler.

DOES NOT LEAK.

Regulates supply of oil.

A little higher in price but,—

The Best Medium Grade Oiler. Made in best manner possible. Second to none but the "Perfect."

CUSHMAN & DENISON, Mfrs., 172 9th Ave., N. Y.

taken place, we give you these examples: We sold Hunt's axes at $15.50 per dozen, 2-inch augers at $15 per dozen, 2-inch narrow wrought butts at 50 cents per dozen, No. 1 blind butts $3.50 per dozen, No. 4 babbit 20 cents per pound, 1⅛-inch iron bench screws $9.50 per dozen, Reliance clothes wringers, not better than Novelty, at $75 per dozen, 1-bushel stave baskets $7 per dozen. Now the trade kick at paying $1 per dozen for baskets, $13 a dozen for wringers, and if we charge $5.25 for Hunt's axes they hold up their hands in holy horror. Did you ever think how much less the actual necessities of life cost to-day than they did twenty-five years ago? The writer honestly believes that the cost of living to-day is not over one-third of what it was in 1872, and if we practiced the same economies now that we were obliged to then, we would be fairly happy, but we do not appreciate how cheap everything is, be it Hardware, dry goods or groceries.

C. W. HACKETT HARDWARE CO.

THE TOLEDO TRADE.

Since our last report, there has not very much occurred to write about, no more than trade has been fairly active.

The weather is really too cold for goods that ought to be moving at this time of the year, such as refrigerators, gasoline stoves, ice cream freezers and kindred goods. The crops in our section are looking very well, with the exception of corn, which is still very far backward, owing to our not having warm weather, especially warm nights for its growth.

Trade this month can be compared favorably with the same time last year. Prices remain about the same, although everything is still very cheap.

We notice that some of our bicycle concerns have laid off some of their help, which is generally customary at this time of the year.

Not having anything of note to write about, we will simply write "finis." STOLLBERG & CLAPP CO.

THE DENVER TRADE.

Business in this locality continues steady and slightly improving. The weather has settled down to summer conditions at last, and should have its effect in the near future. Building, not only in Denver, but in many towns in the State, is rapidly increasing, and yet the supply of new houses is not equal to the demand. A heavy tide of immigration of desirable people has set into Colorado, and will, no doubt, continue for a year or two, and its effect must be for general improvement, and is already felt.

Late rains have given us most favorable crop prospects, and the future looks bright.

GEORGE TRITCH HARDWARE CO.

Water Heaters 2000 Years Ago.

In two of the museums of old Roman antiquities at Naples there are several water heaters, which indicates that the principle of the water tube, the crowning feature of modern boilers, was fully understood and appreciated 2000 years ago. W. T. Bonner, of Cincinnati, has been investigating these heaters and found them to be as interesting as they are beautiful. One of them consists of an outer shell twelve inches in diameter and nearly seventeen inches high, surrounded by a somewhat hemispherical top, which is ten inches in diameter and twelve inches high. The two shells are connected at the bottom by a rim, like the mud rim of a locomotive fire box, and the space between them was filled with water. The grate was formed of seven tubes made from sheet bronze, rolled and soldered or brazed. These tubes open at both ends into the bottom of the space between the shells, thus forming a water tube grate for the fuel to rest upon. Charcoal was probably used for this heater and was placed on the grate through an opening 4.8 inches high and 4 inches wide, closed by a beautifully decorated door. The gases from the fire escaped into the outer shell about 5.6 inches above the grate. The whole apparatus was raised about twelve inches on a tripod so as to allow air to reach the fuel. In another boiler of somewhat the same type the outer shell has the form of an urn, while the inner shell rises from a water tube grate to an opening in the side. It is twelve inches in diameter at the widest part, 17.6 inches high and supported on a tripod about four inches high. Its general shape is much like that of the silver cream pitchers known as the Paul Revere patterns, although, of course, it is much larger and has a top closed by a lid. It has been suggested that these utensils may have served at some time to heat wine as well as water, which suggestion appears reasonable, as many historians state that the Pompeiians made great use of hot drinks. It may be that they were found in one of the termpodi or cafes, of which there were several in Pompeii.—*American Artisan.*

R. E. Dietz Co. Burned Out.

The large and extensive lamp, lantern and oil stove factory of the R. E. Dietz Co., corner of Laight and Greenwich streets, this city, was entirely destroyed by fire on Wednesday afternoon of this week, throwing out of employment 150 hands, whose escape without injury from a fire so swift in its destructiveness was something remarkable. The building destroyed was a massive brick structure 100 by 60 feet, seven stories in height, the walls of which were of unusual thickness, minimizing the danger to the adjoining buildings. Beyond the fact that it originated in the stock room, it was difficult to locate the cause of the fire. The building was erected a few years ago by the R. E. Dietz Co., a corporation capitalized at $100,000. The losses are estimated to be on building, $50,000, and on stock, $75,000, being fully covered by insurance in both cases.

The sporting trade of Zululand and the South Seas wish the stocks of their guns made of crimson wood and carved with hideous designs. Our own people, on the contrary, prefer walnut or some other dark wood, and want that finished as plain as possible. The tastes of the different countries vary considerable in this as in other lines.—*Chattanooga Tradesman.*

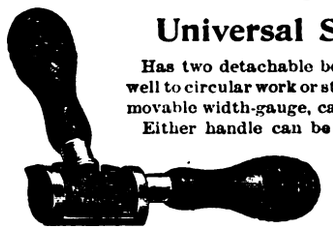
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IMPROVED
Labor-Saving
CARPENTERS'
TOOLS.

STANLEY
RULE & LEVEL CO.
New Britain, Conn.

SOLD BY ALL
Hardware Dealers.



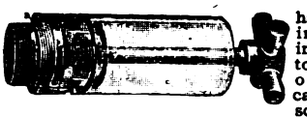


Universal Spoke Shave.

Has two detachable bottoms, adapting it equally well to circular work or straight; and, by means of a movable width-gauge, can be used in rabbeting. Either handle can be screwed into a socket on top of the stock, thus enabling the owner to work into corners, or panels.

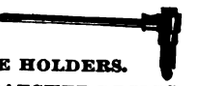
No. 67. Spoke Shave, for curved or straight work, $1.50

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of ours

FORBES PATENT DIE STOCKS.



CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.
Sent free on application to

CURTIS & CURTIS,
No. 3 Garden St., Bridgeport, Conn.

"Bisicle, a Pile of Fun."

The subjoined amusing item is said to be an order sent by a Kansas man to a bicycle company:

"Deer sirz—I live on mi farm near Hamilton, Kansas, am 57 year old and just a little sporta. My neffew in Indiana bot hisself a new bisicle and sent me his old one by frate, and ive learned to ride sume. Its a pile of fun, but my bisicle jolts considerable. A feller come along yesterday with a bisicle that had hollow injun robber tires stuffed with wind. He let me try hissen, and mi, it run like a kushin! He told me you sell injun robber just the same as hissen. How much will it be to fix mine up like hissen? Mine is all iron wheels. Do you punch the holler hole through the injun robber, or will I have to do it myself? How do you stick the ends together after you got it done? If your injun robber is already holler will it come any cheaper empty? I can get all the wind I want out here in Kansas free. EBERNEEZER Y. JENSON."

"P. S.—How much do you charge for the doodad you stuff the wind into the robber with and where do you start?"—*American Field.*

Not That Kind of a Gun.

In a corner grocery in the western part of the city the other day, a boy was buying shot and getting ready to go hunting. His old gun was lying around rather loose, and the grocer nervously remarked:

"Boy, I wish you'd take care of that gun; I'm afraid of an accident."

The boy stood it up against a barrel, and went on telling how many rabbits he meant to pepper, and pretty soon it came near falling to the floor.

"I tell you that infernal thing will hurt some of us yet!" exclaimed the grocer as he jumped aside, and the boy leaned it against the counter, and said he'd never take a back seat for a bear—never. As he reached over to look at some buckshot, down tumbled the gun and off went the charge, sending about forty duck shot into a ten-gallon oil can in range.

"There she goes—there she goes!" yelled the grocer, as he danced around. "Didn't I tell you that infernal gun would go off?"

"And did I deny it?" promptly retorted the boy. "Do you s'pose I'm fool 'nuff to go out to hunt rabbits with brass knuckles or a bean shooter?"—*Detroit Free Press.*

He Gave It Up.

"Do you make keys here?" asked the woman as she entered a locksmith's shop.

"Yes'm."

"Well, I want one."

"What sort of a key, ma'am?"

"One for the front door."

"Have you a duplicate?"

"No."

"Bring the lock?"

"No."

"What sort of a key is it?"

"I—I don't remember."

"But how am I to guess? There are about 40,000 different kinds of keys."

"H'm. I didn't know that."

"Is it a night key?"

"Yes, yes. That's it. It's a night key."

"But that's also very indefinite."

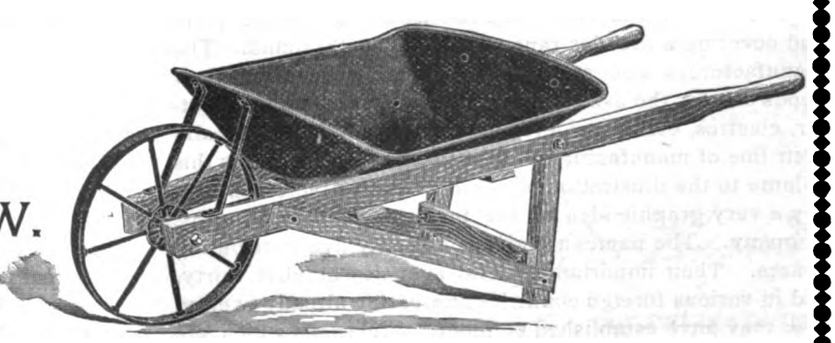
"Well, my husband sometimes comes home at midnight and unlocks the door with his pocket knife or button hook or anything else that comes handy, and you ought to know about what sort of a key would fit such a lock."

He studied over it a while, but finally had to admit that he was up a tree.—*Detroit Free Press.*

An acre of good fishing ground in the sea will yield more food in a week than an acre of the best land will do in a year.—*Stoves & Hardware Reporter.*

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AMERICAN
R. R. BARROW.

With Round Steel Spoke Wheel
The most durable, lightest and best barrow made. Used all over the world. Barrows for all purposes.

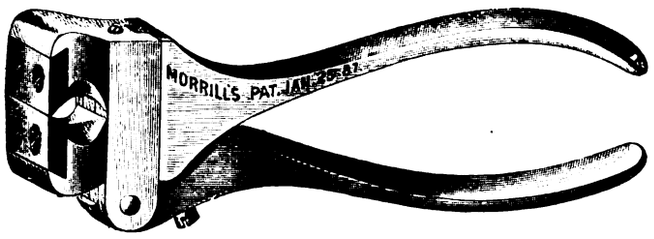


Write THE KILBOURNE & JACOBS MFG. CO.
COLUMBUS, O., U. S. A.

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Morrill's Perfect Cutting Pliers.

Chas. Morrill, No. 35 Warren Street, New York, is making special efforts to call the attention of the Hardware trade to Morrill's Perfect Cutting Plier, the construction and perfection of which Mr. Morrill had found to be a long, tedious and expensive undertaking. In order to perfect the cutting temper of the jaws, experiments were made with every obtainable quality of steel, it being his greatest wish to make them the most perfect tool of the kind that was ever placed on sale. There are many reasons why this great faith in the excellence of his cutting



pliers should have justified the confidence of the inventor, and among these special features may be enumerated the following:

1st. The screw on the cutnip is a regulator for adjusting the space between the cutting blades.

The screw on the loose handle is to regulate the throw by turning up, and brings the cutters together after grinding them.

2nd. The cutting jaws move parallel, thereby lessening the liability of breakage by about 75 per cent., and can be taken off and sharpened on a grindstone.

3rd. With a small outlay of strength, they exert great power.

4th. The jaws and other parts are all made interchangeable, and can be replaced at a small expense.

5th. Simplicity of construction, can be taken apart and put together by the removing and replacing of one pin.

Catalogue of the important specialties manufactured by Charles Morrill will be forwarded upon request.

Recent Trade Publications.

F. E. Myers & Bro., Ashland, Ohio, have recently issued catalogue No. 30, covering their extensive line of Pumps and Haying tools. It forms a handsomely printed volume of 275 pages, admirably printed on excellent paper, having a gold embossed cover and fully illustrated throughout with a high grade of wood cuts, forming altogether a very attractive catalogue for the Hardware and implement dealer to have within reach. In a circular letter which accompanies it, the firm state that this new catalogue is intended to supersede all others until further notice. The list prices in this catalogue have been reduced and re-arranged in order that one discount may be made to cover the entire line. Throughout the entire catalogue this well known, complete and practical line of pumps and hay tools with all the latest improvements and fully up to-date and modern requirements, are arranged in a concise and convenient form and covering a broader range than is usually found. The manufacturers also state that customers handling their goods can for the asking, have all the special printed matter, electros, etc., considered essential in advertising locally their line of manufactures. The two pages devoted in this volume to the illustration of their extensive factories, convey a very graphic idea of the facilities possessed by this company. The names are given of twenty-five distributing houses. Their important general agencies number thirty, and in various foreign countries numbering already twenty-five, they have established commercial relations which are rapidly becoming an important export department of their business. The assortment of pumps shown comprise every possible variety, from the ordinary house or cistern pump, to power pumps of great capacity. The catalogue includes as well a large line of fittings and appliances of every description, appertaining to this important business. Spray pumps of every description are here largely and extensively illustrated and described. In the assortment of haying tools, including as it does elaborate overhead track systems of hay carriers with steel tracks and patent slings, forks and pulleys, they show a varied assortment in style, price and description, equally as important as in their other lines. They also manufacture Myers cushion tire store ladder, for use in connection with a system of store shelving, which deserves the popularity it has already succeeded in obtaining. Their line of bicycle stands and home trainers which are here described, have met with a large sale and extended use made possible by excellence of construction and judicious advertising. Taking it all in all, this useful catalogue should be in the hands of all our readers handling any goods of this description, and it will be furnished the trade with discount sheet upon application to the manufacturers.

The Union Heater Supply Co., Detroit, Mich., have issued their catalogue for 1897, covering the unique specialties controlled by them. This pamphlet presents in its pages, a line of articles not readily obtainable in many establishments in the trade, and yet of such importance that when wanted the possession of this catalogue would be highly appreciated. Among the contents will be found illustrations and full descriptions of the following: The Helper fire pots, Nos. 1, 2 and 4, to be used by plumbers, metal workers and contractors: are constructed of heavy sheet brass, with a malleable iron hod; they are calculated to melt lead and anti-friction metal and heat irons faster than any mechanic can use them; the No. 2 being especially adapted for roofers, and No. 4 for construction work and putting in soil pipe, etc. The Lineman's fire pot, for electricians and machinists' uses. The Favorite paint burner; gasoline electrical forge; Perfection, Consort and Diamond gasoline torches. They are also manufacturing Rein's self-heating gasoline flat iron, for the use of tailors and cloakmakers. A six-burner furnace, for confectioners' use, that will boil a batch of twenty-five pounds in ten minutes, ready to put on the slab. Confectioners' gasoline furnace and gasoline batch heater. They manufacture gasoline wall torches and steam pipe cleaners for brewery use. We illustrate on another page in this issue one of their most important specialties, the Eureka Brazer, and also describe their core and japanning ovens, which are attaining just celebrity.

The Union Hardware Co., Torrington, Conn., Tower & Lyon, sole agents, No. 95 Chambers Street, New York, have just issued their new catalogue covering the line of handles and other manufactures from wood, controlled by this company. This pamphlet of 16 pages, embraces in its contents tanged, socket and framing chisel handles; file and screwdriver handles, gravers', carvers' and jewelers' tool handles; plumbers' drift plugs and turn pins; handled brad and scratch awls; saddlers', sewing and pegging awl handles and chalk line reels. Floor and base knobs in all the leading varieties of wood. Round and square mallets, with and without iron rings; bung starts, etc. They are also manufacturers of sailors' palms and sheaths and belts, so well known to the trade. While this catalogue is intended to describe only the regular goods, which have so long been prominent among their productions, a list is furnished of 75 additional lines, running from auger handles to whip butts, for which they possess the facilities for economical production, and would gladly quote prices on receipt of samples or drawings with specification of requirements. Included in this assortment may be mentioned all electrical supplies in wood usually required, such as push button shells, transmitter boxes, magnets, clock, battery and bell boxes, switch boards and handles, etc.

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Joseph Jefferson.

The Famous Actor Looked About Our Factory and Said:

"This is the greatest institution I ever saw in my life. You have combined here utility and philanthropy. You make money, and you make happiness at the same time. To conduct a great business, which stretches out all over the world, and to practice, at the same time, the practical gospel of good will to men is about as far

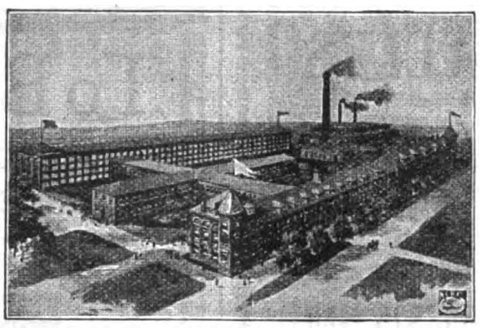


MR. JOSEPH JEFFERSON.

as any one can go until we get wings.

"The system which you sell to retail merchants reaches its highest perfection in your own plant.

"Panics do not hurt people who run their business as you do. The atmosphere of your establishment stimulates industry and good feeling. When hard times come and it is difficult to make sales, people like yours simply work enough harder to make up for it. I should like to take a little part in the work you are doing," concluded Mr. Jefferson, "and when I come to Dayton again I should be glad to give your people a free lecture."



Factory of The National Cash Register Company.

Big Facts.

Why The National Cash Register Company Can Manufacture and Sell Cheaper Than Any Other.

It employs 1,400 people.

Its factories cover eight and one-half acres of floor space.

It makes nothing but cash and autographic registers.

Its rights are protected by 335 patents.

It has 131 offices in all parts of the world.

It makes 90 different styles and kinds of cash registers.

It has sold over 117,000 cash registers.

Its registers are used all over the world.

It received 2,046 orders for registers in April, 1897.

It inspected 1,902 registers in April, 1897.

It shipped 1,886 registers in April, 1897.

It is doing more business in 1897 than ever before in its history.

25 in 25 Stores.

He Wouldn't Try to Do Business Without One.

Mr. T. P. Hunter owns twenty-five retail grocery stores in Philadelphia, and uses a National Cash Register in each of them.

In a recent letter to us he says:

"About three years ago my attention was called to your No. 79 National Cash Register. Becoming interested, I placed an



MR. THOS. P. HUNTER.

order for one machine. Receiving perfec satisfaction from this, I ordered fifteen more, and subsequently ordered nine additional, making twenty-five, the number I now have in use in my stores.

"By the use of the registers I am able to tell at a glance how trade is running in each store, whether business is increasing or decreasing, and which of my clerks are making the sales.

"I would not attempt to run one of my stores without your No. 79 National Cash Register."

T. P. Hunter

If you will send us your name, address, business, number of clerks you employ, percentage of business done on credit, and state whether or not you employ a cashier, we will send you in return, free of charge, a handsomely-printed description of a cash register system for use in stores like yours. The National Cash Register Company, Department H, Dayton, Ohio.

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BICYCLES

. . . *Manufactured by*

Ames Mfg. Co.

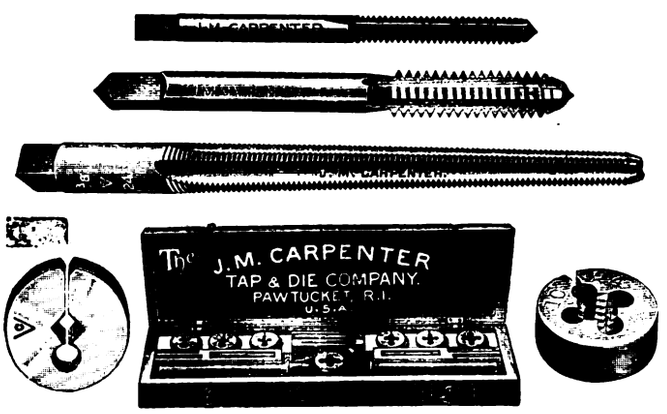
HIGH AND MEDIUM GRADES,

$100, $85, $75, $60.

Send for Catalogue.

ADDRESS

AMES MFG. CO., Chicopee, Mass.



Send for our **CATALOGUE No. 11 B,** describing

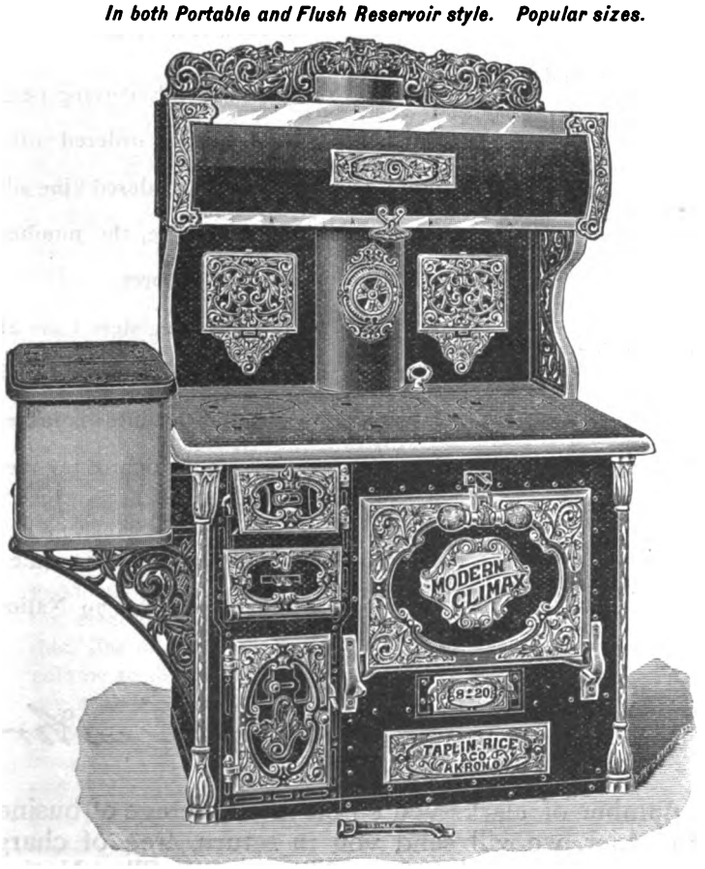
SCREW CUTTING TOOLS

FOR

BICYCLE REPAIR WORK.

MODERN CLIMAX. NEW STEEL RANGE,

In both Portable and Flush Reservoir style. Popular sizes.



Taplin, Rice & Co., Mfrs., Akron, Ohio.

To Bicycle Riders.

WE MAKE OUR TUBE

OF FIFTY CARBON STEEL

Because a Tube like this of our .50% CARBON STEEL Is just as strong as a Tube like this of .25% CARBON STEEL

While weight for weight in a Bicycle our FIFTY CARBON Steel will last so long [redacted] and TWENTY-FIVE CARBON Steel will last only so long [redacted]

NOTE THE FULL IMPORT OF THE PARALLEL LINES.

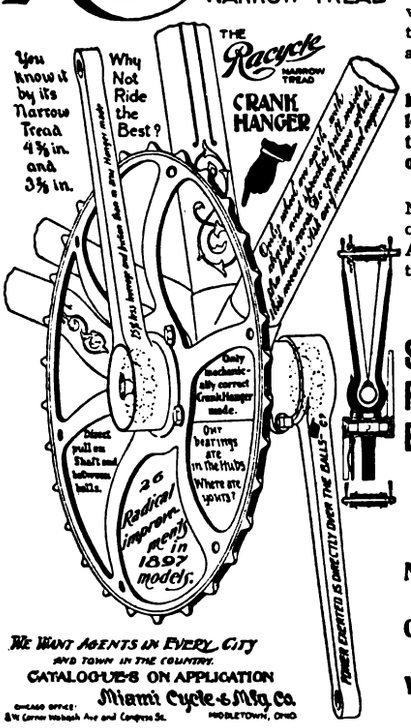
The comparison which they graphically make indicates the result of the prolonged investigations of the most practical experts of the world.

That the tests in our own laboratory corroborate these results is merely so much to its credit; that the same is true of actual trial on the road equally proves the trial to have been made in bicycles of correct design and construction. THE FACT REMAINS.

The margin of safety is greatly increased by the use of this tube. Every bicycle manufacturer should use it; every dealer should insist on having it; every rider should demand it. Send for catalogue.

THE POPE TUBE CO., Hartford, Conn.

THE *Racycle* NARROW TREAD



WE WANT AGENTS IN EVERY CITY AND TOWN IN THE COUNTRY.

CATALOGUES ON APPLICATION

Miami Cycle & Mfg. Co.

CHICAGO OFFICE: 8 W. Corner Wabash Ave and Congress St. MIDDLETOWN, OHIO

$1000.00 IN CASH

Will be paid to the first one who can demonstrate that the following assertion is not a fact:

The Racycle Crank Hanger has from 20 to 30 per cent. less pressure on its bearings than the Crank Hanger of any other Bicycle on the market.

All infringements barred. No bicycle considered without the consent of the maker. Address all communications to RACYCLE, Middletown, O.

Special Racycles, $100
Racycles, - $75
Bicycles, - - $50

SEND FOR CATALOGUE.

New York Agency, 108 Fulton St.

Chicago Agency, 323 Wabash Ave

Wash., D. C., Agency, Thomas Circle



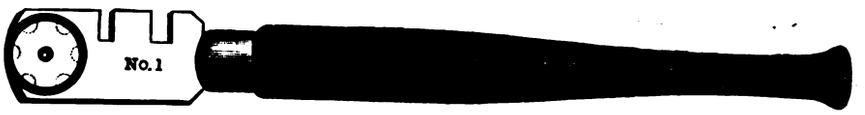


Miami Cycle & Mfg. Co.,
Middletown, Ohio.

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"GOODELL'S" TURRET HEAD GLASS CUTTERS.

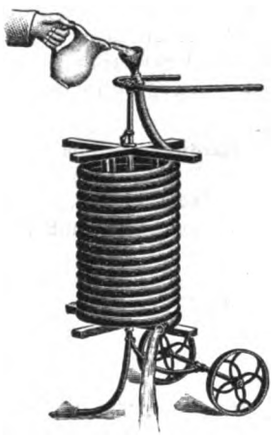
SIX CUTTERS. Carefully Hardened, Ground and Tested before mounting.



(Patented March 31, 1896.)

Nickeled Frame, Rosewood Finish Handle.

H. H. MAYHEW CO., Shelburne Falls, Mass., U. S. A.



Patented January 5, 1897. Others applied for.

IT EXPLAINS Why it is **Superior** to all other **Hose Reels.** This **The Hartzell Self-Draining Hose Reel** will carry more hose, it will **drain, preserve** and **greatly increase** the **durability** of **Hose.**

It is a beautiful ornament for a lawn. It is convenient, light, strong. It will please your customers as it saves money. For prices and Sample Reels, address

The Hartzell Novelty Works, (Sole owners and man'f'rs) ALLIANCE, OHIO.



Our Fork Crown. "Pat. applied for."

Agents are wise who get an Agency

... FOR THE ...

KENSINGTON

Full of tried and up-to-date improvements.

SELLS AT SIGHT.

THREE MODELS:

$100, $75, $60

A Magnificent Line.

THE

Martin & Gibson Mfg. Co.

BUFFALO, N. Y., U. S. A.



Our Name Plate.

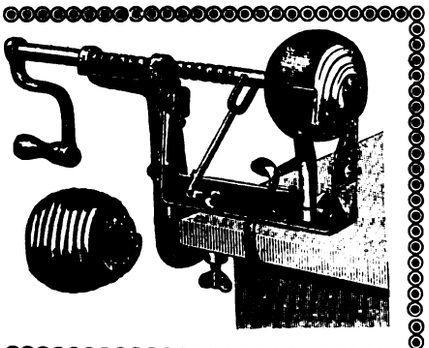
A Critic on Nails.

A builder of Everett, Mass., brought into the local newspaper office a collection of nails, with an interesting story about them. He said that it had recently been stated in some of the scientific papers that the cause of the rapid rusting of the nails used for shingling houses near the seashore was the action of the salt in the air and the acid in the shingles. This gentleman disagreed with this theory, and showed several wrought iron nails drawn from an old house in Everett, and others taken from a house erected about eight years ago. The wrought iron nails were still in thoroughly good condition, although the house is said to be about 250 years old, and the part in which they were had been exposed to the weather for a score of years, because of its neglected condition.

The nails driven eight years ago had been reduced from 1½ inches in length to the size of a small tack, and were entirely useless, the shingles blowing off long before they were worn out. The explanation given was that the quality of the iron used nowadays was so much inferior to that employed years ago that the nails soon rusted, until they crumbled when being drawn from the building. He said wire nails were as bad, or even worse.—*Hardware and Metal Reporter.*

In reference to the above a veteran Hardwareman observes: "The quality of the iron didn't have as much to do with the long life given to the wrought nails as the fact that by being hammered on an anvil they were given a forged homogeneity impossible to find in an ordinary rolled iron nail plate. The wrought nails could be had to-day did we build houses to last 250 years."

We make eight different kinds of



Apple Parers, besides **Potato Parers, Cherry Stoners, &c.** Some pare, others pare and core, while others pare, core and slice at one operation. This cut represents the . . .

White Mountain Parer, Corer and Slicer

so well known in all parts of the United States. It is now sold at about one-half former price although it is as good, if not better, than ever before. No other low-priced Parer, Corer and Slicer compares with it, when you consider that an apple parer is made for use, and not to look at.

Thirty-odd years' experience in making Apple Parers, and making as we do larger quantities than anyone else, enable us to give more value for same money than is obtainable elsewhere. *Send for Catalogue. . . .*

GOODELL COMPANY, Antrim, N. H.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Amboy, Minn.—Rue & Haraldson.

Audubon, Minn.—McGraw & Anderson.

Carbon, Ind.—John W. Earp intends opening a new store in the near future.

Cathay, N. D.—R. W. Smith.

Dana, Ind.—G. Bolinger.

Davie City, Neb.—A. J. Posvar.

Defiance, Ohio.—C. Switzer.

Forsyth, Mont.—E. S. Becker.

Hoffman, Minn.—H. C. Aamoth.

Indianapolis, Ind.—The Clark Hardware Co., of DeKalb County. Capital, $10,000.

Joslin, Ill.—F. Dailey.

Mendon, Mich.—Ferdinand Vernier.

Ortonville, Minn.—C. F. James.

Paris, Texas.—The Paris Hardware Co. has been incorporated with a capital stock of $10,000.

Pearl City, Ill.—G. S. Kleckner.

Sheldon, Ill.—Theo. Minkley.

Changes and Removals.

Abel, Minn.—Lein & Bersie have dissolved partnership. All accounts due must be paid to L. O. Lein.

Aurora, Ill.—J. Schaeberlein, closing out stock, and will go out of business.

Bad Axe, Mich.—L. C. Truax, stock purchased by W. Hawks, who has removed the same to Port Austin.

Bay City, Mich.—The Miller Hardware Co., which was closed recently, will reopen as soon as the inventory is taken.

Belview, Minn.—S. O. Kolen has reopened his store.

Black Hills, S. D.—S. Vorhees has a new store completed.

Breckenridge, Minn.—Leo J. Miksche, general merchant, has erected an addition to his store, and will put in a stock of Hardware.

Bridgeport, Conn.—Donahue & Bertilson, succeeded by J. C. Donahue.

Burlington, Vt.—The firm of Mansfield & Dixon have dissolved partnership, Mr. Mansfield having sold his interest to L. C. Royce. The firm will now do business under the name of Dixon & Royce.

Boulder, Mont.—B. F. Hoopes & Son, Hardware and groceries, will discontinue business.

Charleston, Ill.—C. J. McCarty, Hardware and implements, stock purchased by W. K. Shoemaker, who has taken possession.

Danville, Ill.—B. H. Boggs & Sons, sold to Solomon Swisher.

Decorah, Ia.—The old John Finn Hardware building is being remodeled by the Citizen's Savings Bank.

Dennis, Mass. — C. A. Chase, sold to C. C. Weyser.

Des Moines, Iowa. — G. C. Hillman is building a large warehouse at the back end of his Hardware store, not having enough room in the main building for his surplus stock of goods.

Edna, Tex.—J. W. Brickel & Co., Hardware, etc., reported to have dissolved partnership.

Eldora, Iowa.—Fred Winchester has disposed of his Hardware store at Gowrie, and will open a general Hardware store in this city. He will oocupy the rooms at present occupied by Reece & Allison.

Elysian, Minn.—Kirkdahl & Chadwick, stock purchased by John G. Gerlach, of Mankato.

Excelsior, Minn.—O. C. DeGroodt & Son, Hardware. J. I. Wyer, it is stated, will buy O. C. DeGroodt's interest.

Hawarden, Iowa.—C. L. Stewart has sold out.

Houston, Tex.—C. L. & Theo. Bering, Jr., will add a large Hardware stock to their present business, having rented for this purpose the building adjoining their present location on Main Street.

La Grange, Ill.—J. D. Williams; stock purchased by I. Hall.

Manitowoc, Wis.—The Manitowoc Hardware Co. has changed its name to the Ernest Wagner Co.

Medfield, Mass.—W. W. Preston, sold to Garfield Bros.

Mineral Point, Wis.—Jacko & Penhallegon, Hardware, reported to have dissolved partnership.

Moline, Mich.—J. D. Noah, Hardware, has sold out to W. J. Cook.

Morristown, Minn.—Richter's Hardware store has moved into new quarters.

New Haven, Conn.—Wooster P. Ensign & Son, succeeded by Wooster A. Ensign.

New Richmond, Wis.—Fylpaa & Anderson, general merchandise, have purchased Hardware stock of Ed. Simonds and increased same.

Perham, Minn.—A. Marckel will move his business into the Luedke building.

Puyallup, Wash.—The Puyallup Hardware Co. sold to Charles Hood.

Sacred Heart, Minn.—E. J. Rice, Hardware and implements, sold out business and removed to Renville, where he has opened a new general store.

Torrington, Conn.—W. R. Walker, Hardware and plumbing, has sold out.

Utica, N. Y.—Mathew B. Riley, succeeded by Mathew Riley, Jr.

Vergennes, Ill.—E. C. Lovejoy, Hardware, implements, etc., stock purchased by Wisely & Purdy.

Volga, S. D.—James Steinson & Co. have dissolved.

Wheatland, Ill.—Lowry's Hardware stock has been purchased by Bill Mass, who has taken possession of same.

Business Embarrassments.

Bay City, Mich.—The Miller Hardware Co., which made an assignment recently to C. A. Eddy, is capitalized at $100,000, of which $30,000 is preferred stock held by Selwyn and J. F. Eddy. The general stock is held by Mr. Miller, and some old employes of the firm. The direct cause of the failure is the shrinkage in values.

Litchfield, Ill.—The Litchfield Hardware Co.'s store, which was closed recently, has been sold by the sheriff to E. A. Woolley, of Greenfield, and N. D. Summers of Medora, for $1559.

Norfolk, Va.—Bertha L. Howard, stoves, etc., reported to have made an assignment.

Norfolk, Va.—John T. Howard, stoves and tinware, No. 86 Bank Street, has made an assignment. Liabilities upward of $1600; assets not stated.

Burglaries in Hardware Stores.

Adrian, Mich.—S. T. Wilcox. Loss $300.

Buena Vista, Col.—Dean & Brown, revolvers and ammunition. Amount not stated.

Cedar Falls, Iowa.—Cedar Falls Hardware Co. Cutlery and other goods. Amount not stated.

Centreville, Mich.—John Keefer. Amount not stated.

Dodge Center, Minn.—L. Thuet. Revolvers and pocket cutlery. Amount not stated.

Ingalls, Mich.—L. Dobeas. Loss $500.

Lexington, Ill.—Geo. W. Hiser. Loss $100.

Lisbon, Ohio.—P. M. Armstrong & Co. Razors, revolvers and other Hardware. Amount not stated.

Nashville, Tenn.—J. Legler & Co. Guns and ammunition. Amount not stated.

New Baltimore, N. Y.—Ora Baumis. Loss $50.

Newcastle, Pa.—Welsh & Horton. Loss $50.

New York, N. Y.—William Woods, West 125th Street. Loss, $250.

North Adams, Mass.—Pennyman & Co. Loss $200.

Pekin, Ill.—Wayrich & Son. Loss $75.

Summit, S. D.—Rihberg Bross. Loss $50.

Recent Fires.

Abilene, Kan.—J. T. Prendergast; damaged by fire, at a loss of $6000; fully insured.

Antwerp, Ohio.—The Coddington Bros., Hardware and implements, destroyed by fire at a loss of $3500.

Atlantic, Iowa.—Shoudy Bros., damaged nearly $2000; insurance, $5500.

Champaign, Ill.—C. H. Russell & Co.'s Hardware store was considerably damaged by water. They had a very narrow escape.

Conneaut, Ohio.—George Arthur. Loss not stated.

Dexter, Minn.—J. G. Juleson, damaged by fire. Loss not stated.

Grants Pass, Ore. — Jewell & Dodge, damaged by fire. Loss not stated.

Nashville, Tenn.—Johnson, Doss & Co., stoves and tinware, damaged by fire; insured for $2000.

Richwood, Ohio.—Biddle & Cahill. Loss about $7000; insurance $5000.

Scranton, Pa.—The Empire Hardware store. Loss estimated at $15,000. Fully covered by insurance.

Western, Neb. — Herman Gross, Hardware, etc., destroyed by fire. Loss not stated.

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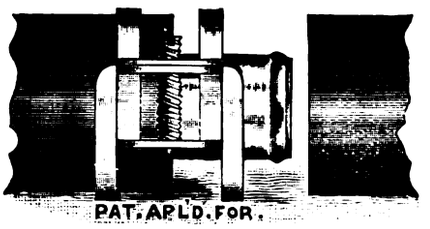
MORGAN & WRIGHT TIRES
ARE GOOD TIRES

OUR GUARANTEE REMAINS THE SAME AS IT HAS BEEN IN THE PAST.

MORGAN & WRIGHT
CHICAGO

Double Cinch Hose Band and Mender.

There are many devices for repairing bursted hose; there is no other so good as this one. One Band and Tube do the work of two of any other make. . . . .



A screw driver and jack-knife are all the tools needed. Does not obstruct waterway; is easily inserted and is positive in its action. . . .

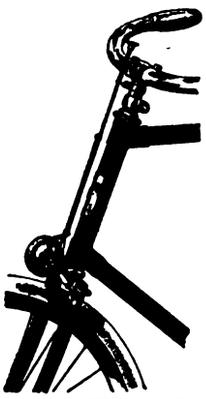
Write for price list to your jobber or the makers

CLAYTON & LAMBERT MFG. CO., - Ypsilanti, Mich.



KEARNEY & FOOT CO. 100-102 Reade Street, NEW YORK.

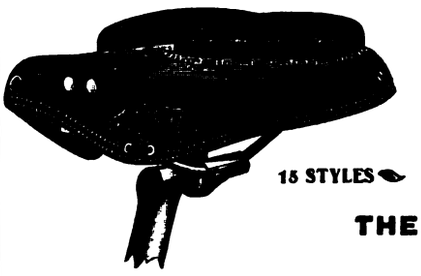
The BEST Drill on the market.



"The SUCCESS OF THE PHILADELPHIA SHOW" . . .
WAS THE
OSTERMAN
BICYCLE BELL.

Rings loud and clear like an electric bell.
The faster the speed the sharper the alarm.
Rings on the slightest pressure of the button.
Needs no care.
Never wears out.
Quickly adjusted to any wheel.
Strong, Simple.

AGENTS WANTED IN EVERY TOWN.
MADE ONLY BY
JOSEPH OSTERMAN & CO.,
4411 Main St., MANAYUNK, PA.

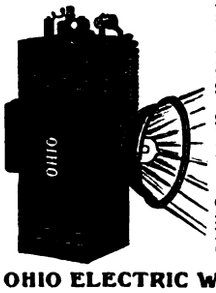


LEADERS FOR 1897
. . . THE
B. & W. Saddles
15 STYLES

Absolutely the highest grade on the market. For perfection in design, beauty of finish, quality of material, and comfort in riding they surpass all others.

THE BUTLER & WARD CO.,
NEWARK, N. J., U. S. A.

WE UNDERSELL ALL.
It gives a Light that's White and Bright,
And two cents is the cost per night.

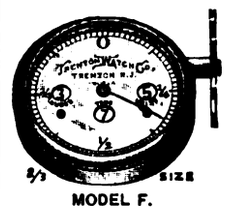


Bicycle Elec. Lights	$4.0
Necktie Elec. Lights	1.50
Edison Elec. Motors	1.00
Battery Fan Motors	5.00
$8 Medical Batteries	3 95
$100 Bicycles, best make	39.00
$1.25 Bicycle Bells	.50
Electric Bells, finest	.30
Dry Batteries, best	.25

Discount to Dealers.

Our Bicycle Electric Light is the best thing that ever happened. . . . .
Catalogues free.

OHIO ELECTRIC WORKS, CLEVELAND, O.



MODEL F.

RETAIL DEALERS

Should ask their jobbers for revised prices on Model F—1,000 mile "Midget" Cyclometers. Registers 1,000 miles and repeats. *Price $1.00.* You can make money on them, as they out-sell larger models.

TRENTON WATCH CO.,
Trenton, N. J., U. S. A.

BICYCLE RIDERS ARE LOST
Without a pair of



Thiem's Patent Adjustable Toe Clips.

They give double driving or double stopping power.
200,000 pair in actual use.

THIEM & CO., Sole Mfrs., ST. PAUL, MINN.

THE "SPARK" '97 MODEL

An up-to-date machine. List, $60.
ONE WHEEL. Best Grade. ONE PRICE, $60.

If you have a first-class store put in a first class wheel for your leader. THE "SPARK" will fill the bill. Address

CANTON CYCLE MFG. CO.,
Canton, Ohio.



DYER & DRISCOLL
PATENT SOLICITORS, 36 Wall St., N.Y

have done all my patent soliciting
work both for this and foreign countries
continuously for the past fourteen years.

Thomas A. Edison


NEW YORK PATTERN

Buhl Factory and R. R. Milk Cans
WILL OUTLAST ALL OTHERS.

Made of Steel, Perfectly Fitted, Annealed and Tinned. Have the "Victor" Can Breast.
Made in all patterns and sizes.

Every piece of "Buhl" Stock is stamped with the Milk Can Trade Mark. Write for Booklet.

BUHL STAMPING CO.,
DETROIT, MICH.


CHICAGO PATTERN

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Bridgeport, Ala.—A deal was closed recently that will give this city another factory. The deal has been negotiated for some time between the Harriman Hoe & Tool Co., of Harriman, Tenn., and the owners of the building, and will put in machinery to turn out handles. Work will be begun immediately toward remodeling the building, and the manufacture of handles will be begun just as soon as the machinery can be put in. The new company will give employment to about twenty-five men, besides furnishing a market for the good timber of this section.

Des Moines, Ia.—The Holt Specialty Co. filed articles of incorporation recently. Its principal place of business is in this city. The company will purchase Holt's clothes line hanger invention and manufacture patent clothes lines. The capital stock is $30,000. The incorporators are W. E. O'Bleness, G. L. Dobson, J. H. McBride and others.

Fairhaven, Mass.—This city is about to have another new industry. Frank G. Crafts, of this town, the patentee of Craft's New Metallic Folding Fire Screen, has secured quarters in the shoe factory building, Main Street, and will manufacture these screens. The screen is the result of much thought and care on the part of the inventor, and is a new novelty in the screen world that is bound to take a place in the front rank. There is nothing like it on the market at the present time.

Holyoke, Mass.—At a meeting of the Business Men's Association recently, it was voted to invite the Indian Orchard Screw Co. to locate here, and it was further voted to open subscriptions at once for any desiring to take stock. The company is to be reorganized and Holyoke people are to have the controlling interest. A capital of about $15,000 is needed. The company will employ from 30 to 40 hands. It makes all kinds of bicycle fixtures, and in the opinion of those who have become interested it is the foundation for a first class bicycle concern.

Muncie, Ind.—John Cranor, cashier of the Daleville bank, reports that Daleville has just closed a contract for the building of an important interest there, and work will be begun on the plant at once. It will be a stove and iron foundry, and will be known as the Ideal Stove & Foundry Works. Most of the machinery comes from Youngstown, Ohio, and is the remains of the Girard Stove Works there. The plant will be of brick, and the main building will be two stories and 160x70 feet in dimension. The town gives the company free fuel and the buildings as a bonus.

Rutherford, N. J.—The Hall Needle Co. has been incorporated with a capital stock of $50,000, and a paid-up capital of $5000. The incorporators are W. Locke Rockwell, of Plainfield, Edwin C. Abbott, of Rutherford, and John P. D. Kirsch, of North Plainfield.

St. Louis, Mo.—The E. H. Lindley Supply Co. has been incorporated, with a capital stock of $100,000, fully paid. Ezra H. Lindley holds 175 shares, Robert W. Green, twenty shares, and August F. Zell, five shares. The firm will deal in machinery, Hardware and general merchandise.

Trenton, N. J.—The Duggs-Seabury Gun & Ammunition Co., with a paid up capital stock of $1,000,000, has been incorporated by William H. Driggs and others. The largest stockholders are residents of Washington, D. C., and the company will have its office in this State in Jersey City. It will manufacture and deal in all kinds of ordinance, including guns, mortars, projectiles, ammunition, fuses, gas checks, gun carriages, etc.

Improved Conditions.

Beaver Mills, N. H.—The tack and nail manufactory recently established by G. E. and A. I. Fuller is now in full operation.

Bridgeport, Conn.—The Union Metallic Cartridge Co. have purchased the dock property which was a part of the estate of the late A. L. Winton, near the Berkshire mills. It has a frontage of over 400 feet on North Washington Avenue and about 270 feet on the harbor line. C. A. Grannis bought the property at the auction of the Winton estate. The cartridge company are rebuilding the wharf and will use it as a landing point for their explosives.

Cincinnati, Ohio.—The Hall Safe & Lock Co. have their Hamilton plant so far completed that they will soon begin to remove from Pearl and Plum Streets. Only the lighter machinery will go first, as several orders are under way, and this will require the heavy machinery to remain for a time. It will likely be the first of the year before the firm has completely severed its connection with this city.

Clayville, N. Y.—Plans have been prepared by Architect Richard A. George for a new foundry to be built by the Pratt Chuck Co. at Clayville. The new foundry building is to be 161 feet in length by 61 feet in width and 15 feet high. There will be a lanterne on the roof running the entire length of the building. It will be a frame building roofed with corrugated iron.

Cortland, N. Y.—G. L. Reeves and M. J. Turner, who have been running a general job shop in the old Carmichael building on Port Watson Street, found their quarters too small for the increasing business, and have moved across the street to the second floor of the foundry building. Here they have more room and plenty of power. They manufacture screen doors and windows, ice cream coolers, buggy bodies, bicycle racks, etc. Both members of the firm of Reeves & Turner are expert wood workers, and with the equipment in their new quarters, they are prepared to build anything that is made of wood.

Dallas, Tex.—The McCormick Harvesting & Machine Co. recently took out a building permit for the erection of a 4-story and basement brick building on the southwest corner of Pacific Avenue and Austin Street, to cost $25,000. The building will face on Austin Street and will be 86x100 feet. The company's offices will be on the ground floor, while the rest of the building will be utilized for the storage of machinery.

North Easton, Mass.—The Ames Shovel Works will be run ten hours a day and five days a week, commencing this month.

North Tonawanda, N. Y.—The nut and bolt works, the largest in the world, owned by Plumb, Burdict & Barnard, have reopened. Between 400 and 500 men went to work. The opening is hailed with delight.

North Wayne, Me.—The North Wayne Tool Co. have nearly completed their year's work on scythes, their orders being mostly filled. The work on axes and corn knives is still going on.

Recent Embarrassments.

Cleveland, Ohio.—A deed of assignment was filed yesterday by the King Axe & Tool Co. The failure was foreshadowed by certain cognovit judgments taken against the company recently. Assets were estimated at $25,000, and liabilities at $30,000. Frank H. Ginn was named as assignee. He gave bond in the sum of $15,000.

Haydenville, Mass.—The Haydenville Mfg. Co., manufacturer of plumbers' brass supplies, with office at No. 73 Beekman Street, New York, made an assignment to George N. Robinson, of Brooklyn, N. Y., and John Mayher, of East Hampton, Mass. It is a Massachusetts corporation, organized in August, 1884, with a capital stock of $150,000, Howard H. Beals, of Mount Vernon, N. Y., being president, and Rollin C. Wilson, of the same place, secretary. At the office it was stated that the failure was due to dull trade, nothing else; that the liabilities are $125,000, and assets from $125,000 to $150,000.

New Bedford, Mass.—The stockholders of the Lambeth Rope Co. met recently and voted to wind up the company's affairs at once. Authority was given the directors to sell property, petition for dissolution of the corporation, and to petition into insolvency. The collapse of the company is due to the embarrassment last month of the Bennett & Columbia Mfg. Corporation, of which Frank B. Hadley, president of the Lambeth Co., was treasurer. Hadley died soon after the revelations at the cotton mill.

Recent Fires.

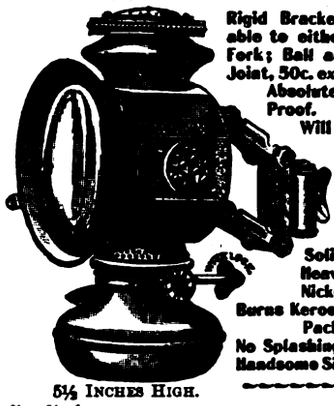
Burlington, Iowa.—The Ray Plow Works were totally destroyed by fire. The fire originated in the roof of the plow works from a spark from an engine, and the entire building and contents were destroyed, making a loss of about $17,000, with insurance for about $3500. No insurance was carried on the dwellings and the loss on these amounts to about $8000.

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THE BANNER

Is the Cycle Lamp for '97.

None as handsome, as practical, nor as thoroughly and honestly made. Throws a powerful, broad light, having a **3-inch optical ground double convex lens.** No lamp so easily cleaned. Has removable top burner and reflector, removable and **reversible oil pot.** The only lamp made with a positive wick-locking device—it acts on the ratchet. Your dealer should have them; until he has will send, carriage paid, for **$3.00,** to any part of the United States.



Rigid Bracket, adjustable to either Post or Fork; Ball and Socket Joint, 50c. extra.
Absolutely Wind Proof.
Will not Jolt Out.
No Solder to Melt.
Fills on Outside Oil Fount.
Solid Brass, Heavily Nickeled.
Burns Kerosene in Packed Fount.
No Splashing.
Handsome Side Lights.

5½ INCHES HIGH.

New York. Boston. Chicago. **PLUME & ATWOOD MFG. CO.**
FACTORIES: Waterbury and Thomaston, Conn.



EAGLE

Bicycle Pump

MADE WELL!
SELLS WELL!
WEARS WELL!

Fills Tires Quicker Than Any Other Pump.

Connecting nipples all accurately threaded, and will fit all the well-known tires.

Write for Trade Prices
Special Inducements to the Jobbing Trade.

Henry Haas & Son,
551-553 West 35th St., NEW YORK.

JOB LOTS OF HARDWARE

I buy and sell in any quantity complete lines of **HARDWARE. MANUFACTURERS** having **JOB LOTS** will find me a ready purchaser. **RETAIL DEALERS** will find my prices lower than any house in the business. . . .

A. N. JACOB, 491-493 Broadway, NEW YORK.

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HARDWARE MANUFACTURERS' AGENTS,
124 Chambers St., New York.
NEW YORK OFFICE OF
THE PHOENIX HARDWARE MFG. CO.
MASON & PARKER. J. B. TATEM & SON.
THE BARNES TOOL CO. E. LOUD MFG. CO.

GEO. F. TAYLOR'S SONS,
80 PINE STREET,
NEW YORK.

BONE BLACK

For Tempering and Filtering Purposes.



No-Slam Checks.

The slam of the Screen Door that breaks in on the summer days' quiet is a reminder that our NO-SLAM Screen Door Check will prevent just such noises. The comfort that comes with the attachment of this little noise-preventer is an argument in favor of its general use. The hardware dealer should keep it, talk about it and sell it.

SARGENT & COMPANY,
NEW YORK; AND NEW HAVEN, CONN.

Makers of the famous Sargent's Easy Spring Locks.



A Great Seller!

At a Good Profit.

Pike's Quick Edge Pocket Knife Hones, in display box, a practical sharpener for knives and scissors.

Send for Prices.

Scythe Stones, Oil Stones, Razor Hones, Etc.

THE PIKE MFG. CO.,
Pike Station, N. H.

REMEMBER THAT

DIAMOND CHAINS

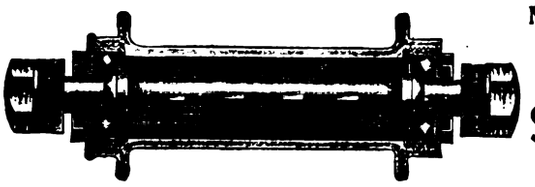
Are fitted with the ONLY PRACTICAL HARDENED RIVET MADE and don't fail to specify them when ordering wheels. . . . .



INDIANAPOLIS CHAIN & STAMPING CO.
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R. B. McMULLEN & CO., Chicago and New York, General U. S. Sales Agents.
New York Depot, J. S. Leng's Son & Co., 4 Fletcher Street.
Boston Depot, Very Cycle Co., 245 Columbus Avenue.
Pacific Coast Depot, Western Rubber Co., 14 Fremont Street, San Francisco.

SIMPLE SOLID SENSIBLE TIGER Bicycles.



No Castings! No Freaks! No Nonsense!

THREE GRADES,

$100, $75, $60.

Send for Art Catalogue M.

STODDARD MFG. CO., Dayton, Ohio.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Stores.

Alexandria, Minn.—G. S. Spaulding.

Benson, Minn.—J. P. Van Slyke.

Cannon Falls, Wis.—O. F. Peters, Hardware, has taken up bicycles.

Cazenovia, N. Y.—George A. Benjamin.

Fargo, N. D.—Charles Bennett.

Glencoe, Minn.—W. G. Gould.

Marshalltown, Iowa.—Williams Brothers.

Newport News, Va.—The Hampton Cycle Co.

Riverside, Cal.—George F. Streeper.

Silver Lake, Minn.—John Kredci.

Springfield, Mass.—Chicopee Falls Wheel Co.

Waterloo, Iowa.—The Waterloo Mfg. Co., bicycles, commenced business.

Wilmington, N. C.—W. P. Oldham & Co. invites correspondence with manufacturers of good wheels that can sell for $50 or less.

New Companies, Agencies, Etc.

Baltimore, Md.—The Owen Mfg. Co., of New London, Conn., has opened a branch store at No. 203 East Baltimore Street, where they will sell Owen bicycles.

Bethel, Vt.—The Keene Bicycle Rim Co. has commenced the erection of a large bicycle factory in this city. It is expected that the building will be completed in two months, when the company will transfer from Keene, N. H., its largest bicycle rim shop. The company expects to employ at the outset 50 hands at least.

Big Timber, Mont.—J. W. Geiger has taken up bicycles, handling high grade wheel, Columbia, also the Hartford.

Casselton, N. D.—E. G. Guthrie has added a line of bicycles, and will handle the Regent and Euclid wheels.

Columbus, Ohio.—The Brown Saddle Co. has been incorporated to manufacture bicycle and other saddles. Capital stock, $100,000.

Denver, Colo.—Davis Mfg. Co., capital $10,000, has been incorporated to manufacture bicycle saddles; office, Denver; incorporators, Allie P. Ray, C. M. Moses, William B. Walker, Harry T. Davis, Oliver F. Rhoads.

Galt, Ont.—The MacGregor-Gourlay Co. have commenced the manufacture of bicycle hub machines.

Jersey City, N. J.—Albemarle Cycle Co., to manufacture bicycles. Capital stock, $100,000.

Mason City, Iowa.—G. R. Ainsworth, of Chicago, will establish a bicycle factory.

Minneapolis, Minn.—Deene & Webber Co. will probably build a bicycle factory in Chicago.

New Brunswick, N. J.—The Kilton Cycle Co. has been incorporated to manufacture bicycles. The main office will be in the National Bank of New Jersey building, and the incorporators are New York parties. The amount of capital is $2000.

New Haven, Conn.—The Yale Cycle Mfg. Co. has just been organized in this city. The purpose of the organization is to manufacture and sell bicycles. The company is capitalized at $2000, and the stockholders are S. E. S. Gay, secretary; Benjamin Slade, William Gay and W. H. Hubbard.

Norfolk, Va.—The White Cycle Co, maximum capital, $10,000, has been incorporated. The officers are: L. B. White, president; Luthur W. White, vice-president; H. L. White, secretary. These, with Thomas E. Elliott and Oscar T. Edwards, are stockholders.

Ontario, Can.—A movement is on foot to form a joint stock company in St. Thomas, for the purpose of manufacturing bicycles. The capital stock will be $20,000, and several American gentlemen are being interested in the scheme.

St. Louis, Mo.—The St. Louis Frictionless Ball Bearing Co. has been incorporated by O. G. Shands, F. W. Klocke and Edward F. Flanagan. Capital stock, $5000.

Tacoma, Wash.—W. A. McNeiley, manufacturer of bicycles, has established a bicycle factory.

Changes and Improvements.

Boise City, Idaho.—Gordon, Elmo & Co. have retired from business.

Brooklyn, N. Y.—Plumtree & Murphy, reported to have dissolved partnership.

Buffalo, N. Y. — Buffalo Cycle Works, bicycles, reported to have dissolved partnership.

Crookston, Minn.—Hawkins & Olds will put in an electric motor to furnish power with which to run the machinery in their bicycle repair shop.

Dallas, Tex.—Young Cycle Co., bicycles, etc., succeeded by William Kern.

Elysian, Minn.—J. G. Gerlich has purchased the stock of Kuykendall & Chadwick; he will continue the business at the old stand, and put in a complete stock of Hardware, bicycles, etc.

Fort Worth, Tex.—Wasser & Son, bicycles, have retired from business.

Galveston, Tex.—Labadie Bros., reported to have dissolved partnership.

Lafayette, Ind.—The Lindsay Bicycle Works has reopened with 100 employes.

Minneapolis, Minn.—P. A. Myers & Co., succeeded by H. A. Jacobs.

New Haven, Conn. — Clark A. Hallin, succeeded by Summit Bicycle Works.

New Haven, Conn.— Smith-Stowe Co., George E. Stowe withdraws.

New York, N. Y.—B. H. Rose & Co., bicycle sundries, No. 256 Broadway, have moved to No. 26 West Broadway.

New York, N. Y.—Page, Dennis & Co., Howe bicycles, etc., No. 325 Broadway, have removed to No. 341 Broadway.

New Orleans, La.—H. A. Testard & Co., bicycles, reported to have been succeeded by H. A. Testard.

San Diego, Cal.—Miller-Burris Cycle Co., succeeded by Miller Cycle Co.

Sioux Falls, S. D.—Maxwell & Gregory, bicycles, reported to have been succeeded by Leavitt & Gregory.

Springfield, Mass.—The Central Cycle Mfg. Co., of Indianapolis, will probably remove its plant East, and the Business Men's Association is making arrangements to have it move to this city.

Stockton, N. J.—Stockton Cycle Mfg. Co., wholesale and retail bicycles, reported to have gone out of business.

Toronto, Ont.—The R. A. McCready Co., of Toronto, Limited, sporting goods, etc., advertised to be sold by auction.

Recent Embarrassments.

Buffalo, N. Y.—The Niagara Top Co., manufacturer of buggy tops and bicycles, in hands of sheriff. It had a paid-in capital of $12,000.

Cherokee, Iowa.—Shardlow & Baker, bicycles, have made an assignment.

Dansville, N. Y.—Wm. H. Dick, manufacturer of wool lined shoes and bicycles, reported to have made an assignment.

Fayette, Mo.—Bell Bros., commission bicycles, reported to have made an assignment.

Jackson, Mich.—Charles A. Cone, bicycles, has made an assignment to Frank Cummings, who will continue the business for some time.

Knoxville, Tenn.—Bayzarian Cycle Co., reported to have applied for a receiver.

Memphis, Tenn. — Henwood & Yeates, bicycle sundries, etc., reported have been attached.

New Castle, Pa.—Ball Bearing Mfg. Co., Ltd., reported to have made an assignment.

New York, N. Y.—Maurice Meyer, dealer in bicycle supplies, under the style of the Union Bicycle Supply Co., No. 68 Murray Street, has failed, and Deputy Sheriff Lipsky has closed up his place of business on an execution from Erdman, Levy & Mayer, for $1023, in favor of Annie Phillips.

Rochester, N. Y.— The Punnett Cycle Mfg. Co., reported to have appointed a receiver.

Recent Fires.

Mankato, Minn.—George B. Owen, dealer in bicycles, musical instruments, etc., damaged by fire and water.

Portland, Ore. — The Rambler Cyclery, Sixth Street, between Washington and Alder, damaged by fire. There were 400 bicycles in the building, and all were destroyed except twenty-five. The insurance is about $5000.

Westfield, N. J.—The Bard Cycle Co.'s stock of bicycles was destroyed by fire recently. The loss on wheels and sundries was about $3000, partly covered by insurance. The fire is supposed to be of incendiary origin. The theory of the authorities is that the store was first broken into by burglars, who, after robbing it, set the place on fire.

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STERLING BELLS.



One Best THE Sterling.

Bells of all Description.
Send for Catalogue.

N. N. HILL BRASS CO.,
East Hampton, Conn.

Bells.



The belle of the ball on her escort leaned,
And so very happy the dear girl seemed,
That he took her aside to a cozy retreat
And told her the story that's always so sweet.



She perked up her lips, so enticing and fair,
And his own were reaching the heaven that's there,
When she said, "Dear boy, this is only a sell.
You'll first have to buy me that 'Climax' bell."

The new 1897 model "CLIMAX" Bell possesses without doubt the most improved Lock Clamp known. Can be adjusted to the Handle Bar quickly without removing the screw, thus saving all vexatious worriment in the operation, and at the same time presents a more attractive appearance than any other kind of an attachment.

We have just published a handsome little booklet to be carried in the vest pocket, containing lots of valuable information for the benefit of wheelmen. Send us a two-cent stamp and we will mail you a copy.

Climax Bell Co., 403 Washington St., Boston, Mass

BICYCLES FOR Hardware Trade.

High Grade and Low Priced Wheels.
MEN'S, LADIES' and JUVENILES.

NEW MAIL, Highest Grade, **$85.**

Featherstone and other lines, Medium Priced Wheels, offered as the

Best Lines in Market for 1897.

Surely get our quotations before placing your orders. Save you money!

Wm. Read & Sons, 107 WASHINGTON ST., BOSTON, MASS.

ESTABLISHED 1826.

1, 2, 3, 4, 5, 6, 7 are the numbers of the different grades of

REMINGTON Double Barrel Shot Guns.

No. 1, $30.00 *No. 1, $30.00*

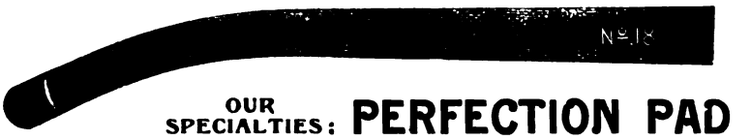


Strong, Simplest, Most Durable and Best Balanced Gun Made.

Bar Locks, new style low circular hammers, rebounding, pistol grip extension rib, double bolt, solid strikers, matted rib, Deeley & Edge fore-end, checkered grip and fore-end, rubber butt, both barrels choke bored. Seven different grades listing from $30 00 up to $100.00 and every one guaranteed for Nitro Powders. SEND FOR ILLUSTRATED CATALOGUE. Remingtons are sold by all dealers.

THE REMINGTON ARMS CO., - - ILION, N. Y.
New York Office, 313-315 Broadway.

AMES SWORD CO., Chicopee, Mass.

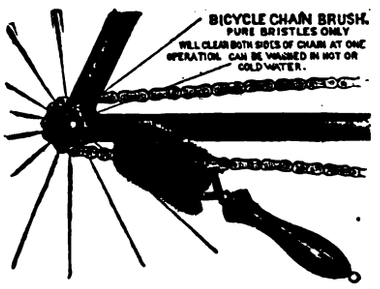


OUR SPECIALTIES: **PERFECTION PADLOCKS,**

All sizes, ½ inch to 2½ inches.

PROTECTOR REVOLVERS, THE GREATEST NOVELTY OF THE AGE.

Compressed Seam Fork Sides and Handle Bars. *CORRESPONDENCE SOLICITED.*



PRICE 15 CENTS.



PRICE 25 CENTS.

——Sent by mail upon receipt of price.——

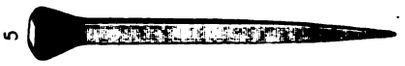
Hall & Downing,
82 West Broadway,
NEW YORK.

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TURF NAILS, Nos. 1 to 5.



FRENCH HEADS, will fill any shoe punched or creased. Nos. 3 to 8.



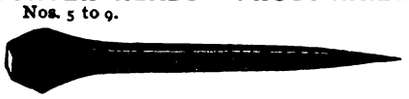
REGULAR HEADS, Nos. 5 to 14.



CITY HEADS, for shallow creased shoes, Nos. 5 to 9.



COUNTER HEADS or **FROST NAILS,** Nos. 5 to 9.



PUTNAM NAIL COMPANY

NEW DEPARTURE.

In consequence of the action of the National Hardware Association, we now propose to sell direct to the general jobbers of the country. . . . . .
All restrictions have been removed as to quotations to be made by the trade from ocean to ocean. . . . .
The high quality of the Putnam Nail makes it an easier seller at an advanced price over nails made by rolling and shearing. . . . . .
In case local dealer does not handle our goods, address

The Putnam Nail Co., Neponset, Boston, Mass.

235 Lake St., Chicago, Ill.
12-14 Drum St., San Francisco, Cal.

SAGER SADDLES.

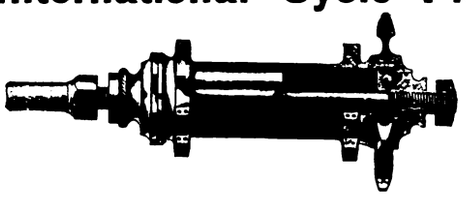
Largest Variety, Largest Quantity, and Best Prices.

Regular leather saddles, padded hygienic saddles and pneumatic saddles.
Insist on **SAGER'S** and you will get the best. . . . . .

Sager Manufacturing Co.,

Most Extensive Saddle Works in the World. **ROCHESTER, N. Y.**

International Cycle Fittings Co.



EVERYTHING FOR A WHEEL.

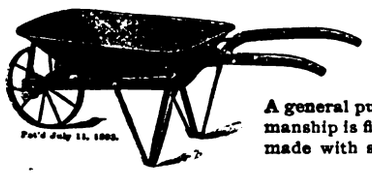
70 & 72 READE ST., NEW YORK, U. S. A.

PATENT DUST-PROOF METAL CEILINGS.

PATENT INTERLOCKING DUST-PROOF JOINT.
Best construction. Being adopted by all architects. Easily and cheaply applied. Costs no more than the old-fashioned lap joint. **Send for Catalogue.**

S. KEIGHLEY & CO., only Mfrs. 49-53 Locust St., Pittsburg, Pa.

ALL STEEL BARROWS Except Handles.



For Coal, Ashes, Cinders, etc.

A general purpose barrow. Capacity of tray, 4 cubic feet. The workmanship is first class in every respect; all riveted together. But wheels made with self-oiling boxes. Make your orders now for 1897.

THE ARNOLD METAL WHEEL CO., - - New London, Ohio.

THE "DIAMOND" 'W. & B." UNIVERSAL SELF-OILING DRILLS.

STYLE "A." STYLE "B."



Furnished with either Straight or Taper Shanks, any length desired. Three Styles.
Send for Descriptive Matter and Special Discounts. MANUFACTURED ONLY BY
THE WHITMAN & BARNES MANUFACTURING CO.,
NEW YORK, N. Y. CINCINNATI, OHIO. CHICAGO, ILL. KANSAS CITY, MO.

The Bicycle Rider Made Happy By Using

THE STODDER PUNCTURELESS TIRE.

Leave your Repair Kit at home.

It is Puncture Proof, Light, Durable Resilient and Speedy. . . .
No Steel Wire. No Leather Strips.

STODDER PUNCTURELESS TIRE CO.,
54 WARREN STREET, NEW YORK.

Only $1.17 each net

IN DOZEN LOTS.



23 Inches.

Folding Bicycle Stands

Holds Six Wheels.

Wide Tops for Advertising.

FRED. HAWLEY,
40 Gold St., New York City.

THE COLUMBIA SAFETY.

Self-Retaining

Dumb Waiters



Elevators,

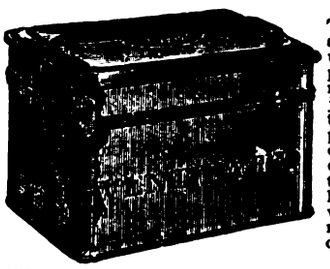
Cellar Lifts and Speidel's Safety Hoists. . . . . .

Manufactured by

J. G. Speidel,

Send for Catalogue. **READING, PA.**

"Sanitary" Ventilated Lunch Boxes.



These boxes are made under our patents, are made of tin, japanned the color of paper boxes, can be cleaned out, are tight, ventilated and will outlast many paper ones.

ENNIS SPECIALTY CO., Sole Mfrs., **TROY, N. Y.**



COVERT MFG. CO.,

WEST TROY, N. Y.

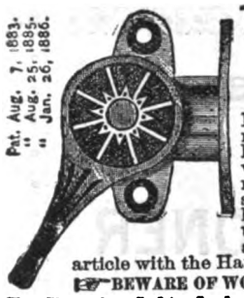
Derby Snap,

With Plated, Rust Proof and Guarded Spring. . . . .

"The latest and best."

For sale by Jobbers at Manfrs. prices.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

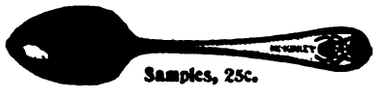
☞ BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

KNIVES, FORKS, SPOONS,

Bicycle Pedals, Nut Cracks, Picks in Solid Nevada Silver or Nickel, or Plated on Steel, and Gold Aluminum Ware, Peppers, Salts and Napkin Rings, Tin Plated Goods. . . . .

AT LOWEST PRICES.



Samples, 25c.

SEND FOR SPECIAL DISCOUNTS.

THE UPSON & HART CO.,
UNIONVILLE, CONN.

PARKS STOVE POLISHING MITTEN.



Write for Prices.

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We'll take them as they come — first come, first served—and we'd advise you to be one of the first

New, smart designs now ready in this

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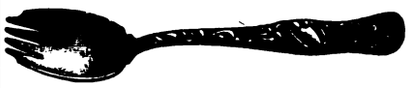
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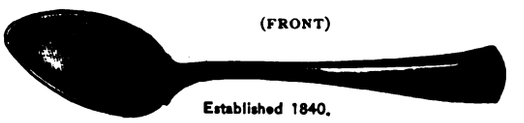
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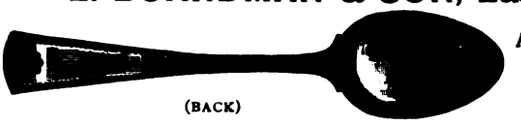
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Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

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Sole Agents for the United States.

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Established 1836.

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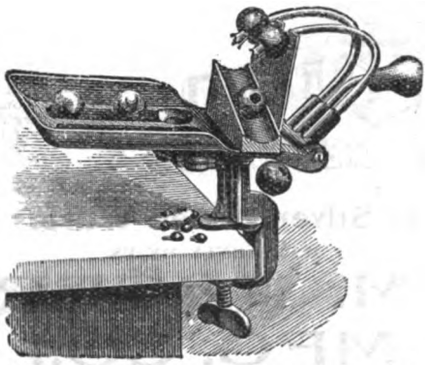
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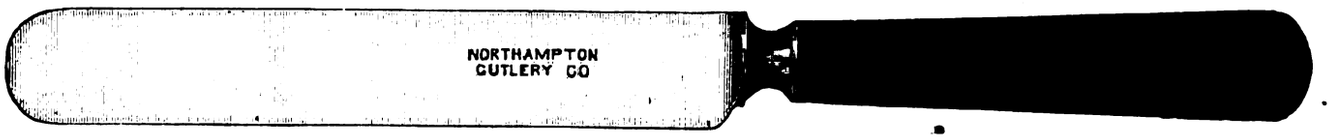
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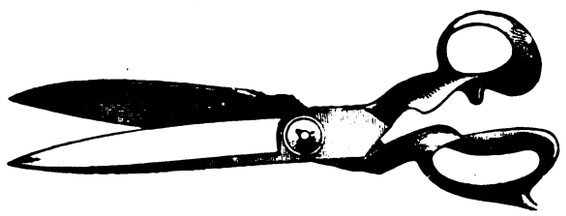
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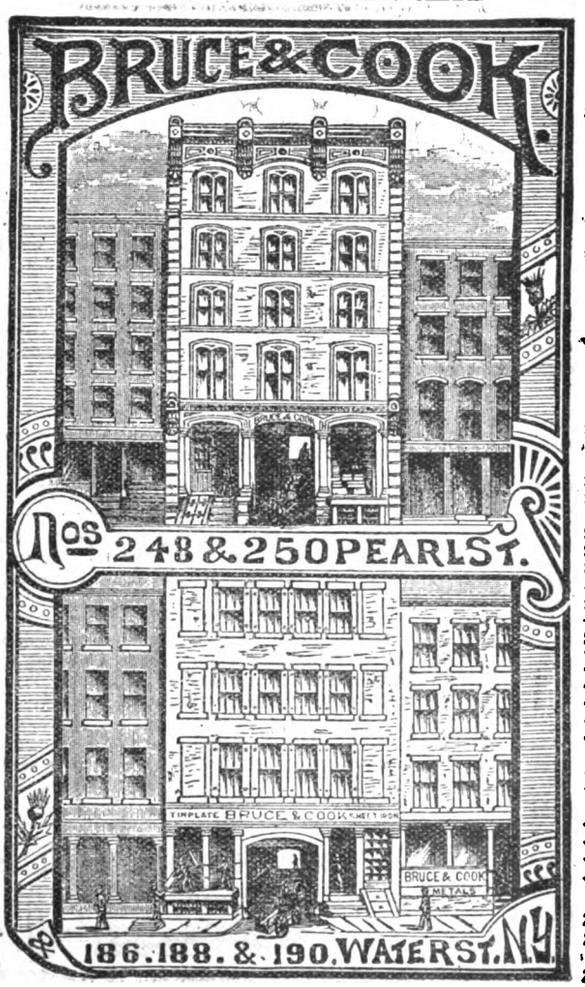
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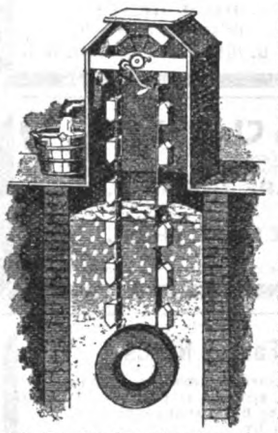
We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

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Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
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Lead
Little Wonder Punch
Lysle Cleat Former
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Malleable Ears



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THE ONLY "PERFECTION" WATER ELEVATOR AND PURIFYING PUMP



Dealers, get in line and sell your trade an article you can guarantee for ten years. The chain or buckets is the principal factor in any elevator. The **Perfection Bucket** is cut by die in one piece of **Black Open Hearth Steel** folded together by double lap seams, and the entire chain **Galvanized** after **Construction.** Others are made of several pieces of galvanized iron soldered together. Simply this one feature is a sufficient guarantee that the **Perfection** has no equal. It is handled by all leading jobbers throughout the world. Call for the **Perfection.** Take no substitute.

For full particulars, circulars, etc., address the sole manufacturers.

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THE CLEVELAND LAWN WEEDER.
The only practical device on the market. Sample free to Hardware dealers
Write for prices to your Jobber or
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Foot power
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—New and Original Features.—
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PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
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WE MAKE THEM.
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ROCKFORD TACK COMPANY, ROCKFORD, ILL.
MANUFACTURERS OF
HIGH GRADE "Hardware" List of Tacks, Nails, Brads &c.
Also a full line of Shoe Finder's Tacks and Nails.
—Orders Solicited.—
Prices and terms quoted promptly on application.

If you would use only the best use
Barnes National Writing Ink and Mucilage.
BARNES NATL. INK CO.,
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What Every Family Needs.
Pure Washed Filteration Quartz, free from all mineral impurities. Can be used in any filter or through cloth. . . Sold only by
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Basting Spoons, Cake Turners, Mincing Knives, Ice Tools, Tack and Nail Hammers, Hatchets, &c. Champion Cross Cut Saw Handles, &c.
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MERRILL BROS.,
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Manufacturers' Agent
Is open to handle good specialties, wants sole agency for Canada. . . .
MARTEN & PARTNER,
18 Wellington St. E., Toronto, Canada.

. . . HEARTILY RECOMMEND "HARDWARE."
E. T. Barnum, Detroit, Mich. [*Wire Goods*]: We heartily recommend HARDWARE to those desirous of reaching the largest number of dealers.

ON OUR AD. LIST AS ONE OF THE BEST.
Troy Nickel Works, Troy, N. Y. [Alaska Stove Hardware]: HARDWARE is on our advertising list as one of the best. We will be glad to keep you in this position.

EACH YEAR RECEIVED BETTER RESULTS.
Standard Tool Co., Cleveland, Ohio. [Tools]: During the five years we have had an advertisement in HARDWARE we have each year received better results.

BEEN WITH YOU FROM THE BEGINNING.
Union Metallic Cartridge Co., New York. [Ammunition]: We have been with HARDWARE as advertisers from the beginning and expect to continue.

Hardwaremen's Exchange.

Notices of ***HELP WANTED*** *or* ***SITUATIONS WANTED*** *will be inserted in this column free of charge. Should not exceed Four Lines.*

ALL OTHER NOTICES, *twenty-five cents per line.*

Help Wanted.

WANTED resident agents in all cities not already covered, to sell our National Feed Boxes. This article is a startling success and has no competition. Active canvassers can make good profits. Address NATIONAL FEED BOX CO, No. 137 McGraw Building, Detroit, Mich.

A FACTORY superintendent wanted—A thorough mechanic with $3000 to $5000, must be a good Tool and Die maker who is able to take full charge of a Specialty Hardware and Stamping Factory; to such a man a good opportunity is offered. State experience and references. None need apply knowing they cannot fill requirements. Address HENRY BERG, No. 375 Kennard Street, Cleveland, Ohio.

RESIDENT agents wanted in all parts of the country to handle fastest selling and best paying Hardware specialty on the market. Address with references, stating territory desired, etc., MANUFACTURER, care HARDWARE No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

EXPERIENCED Hardware salesman with large acquaintance in the South, desires position as traveling salesman to represent Hardware manufacturer or commission house. Is a native of the South and has about twenty years' experience on the road. Would be willing to take other territory than the South. Unexceptionable reference given. Address "HARD WORKER," care HARDWARE, No. 143 Chambers Street, New York.

POSITION by young man of ten years' experience in Hardware business. Have had experience both on road and in store. J. E., care HARDWARE, No. 143 Chambers Street, New York.

BICYCLE repairer and builder wants position with Hardware store handling wheels to make repairs and build to order new wheels during the season; other odd jobs in winter. GEO. GOULD, No. 114 Freeport Street, Dorchester, Mass.

AMERICAN, 30 years old, would like to hear at once from manufacturer desiring Boston manager or representative. Advertiser is competent to buy or sell goods, is a practical bookkeeper and correspondent and understands advertising. Seven years' business experience and as traveling salesman. Reference as to character, ability and temperate habits. Address H. G. C., P. O. Box 2981, Boston, Mass.

WANTED—Young man, business correspondent and office manager of fifteen years' practice would accept position with manufacturing company or jobbing house. Or would manage branch office or travel in the far West and Pacific Coast. Address BUSINESS, Drawer No. 79. Milledgeville, Penn.

POSITION as salesman, indoor or road; Philadelphia, or New York and vicinity preferred; 20 years' experience Hardware and cutlery, eight on road; thoroughly posted. Address DAVID HUGHES, No. 1121 G Street, N E., Washington, D. C.

BY a thorough Hardwareman, aged 32 years, 18 years' experience; situation as either in or outdoor salesman; can furnish best of references. Address G. B. W., No 28 South Fifth Avenue, Mount Vernon, N. Y.

RAZOR manufacturing foreman desires to change location; 21 years' experience. Any good cutlery concern wishing to make their own razors. might increase their profits by addressing RAZOR MAKER, care HARDWARE, No. 143 Chambers Street, New York.

A TRAVELING salesman with seven years experience in builders and general Hardware; can furnish A1 references as regards ability and integrity. Address A. P. H., care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS


For fastening all kinds of structure to brick and stone work
Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue B. Toledo, Ohio.

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Situations Wanted.

A MIDDLE-AGED man of an extensive acquaintance in Eastern North Carolina wishes a position as a traveling salesman of Hardware; can command a good trade. Address L. R. LAND, Norfolk, Va.

DIE-MAKER—Position wanted A1 practical die and tool maker, well up in all latest improved dies and tools for novelty or general Hardware, Dies for Blanking, Drawing, Stamping, Forging, Piercing, etc., for all sheet metals as Brass, Iron, Steel, Aluminum, etc., well up in modern shop methods to increase production; can design and develop ideas; have had ten years' experience in best shops of Massachusetts and Connecticut. Can accept first week in May. Best of references as to ability and character. Address DIE MAKER, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Situation as house or traveling salesman with Hardware or bicycle house. Fifteen years in retail Hardware and six with bicycles. Also have traveled a little. Can give best of reference. Address L. B. 84, Castile, N. Y.

WANTED—Thoroughly experienced bookkeeper, correspondent or office man desires position with responsible wholesale or retail firm. Address J. G. R., box No. 533, Lake Mills, Ia.

WANTED—By young man a position in wholesale or retail Hardware store, inside or outside. Have had six years' experience; can give all references; speak German and English. Address RELIABLE, ca e of HARDWARE, 143 Chambers Street, New York.

YOUNG man, 21, over six years' experience in offices of large Hardware concerns. Best references. Good writer and figurer. Ambitious. Address A. B. H., No. 41 East 106th Street, New York City.

YOUNG man (28) practically experienced in manufacturing and selling metal ware, moderately familiar with important European languages, wants position with concern intending development of foreign trade. Willing and able to do any other work in addition when desired. A. M. ENERGETIC, care HARDWARE, No. 143 Chambers Street, New York.

By a man who has had sixteen years' experience in the Hardware line. Knows entire business and acquainted with city trade and trade within a radius of 100 miles of New York City. Address, TROWEL, care HARDWARE, No. 143 Chambers Street, New York.

Position wanted by a young man 27 years of age, eight years' experience in wholesale Hardware business, Bicycle and Export business, as Stenographer and correspondent. Understands office work thoroughly; also book-keeping. Export business preferred. Address, K., care HARDWARE, No. 143 Chambers Street, New York.

WANTED position with wholesale Hardware house, or stove manufacturer, as traveling salesman, or grocery house. Have had experience, especially on the road. Best of references furnished. Address M. U. N., care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a practical metal pattern maker. First class on ornamental work, and a good chaser. An expert on cored work. Nine years' experience as foreman, and competent to design and make dies, tools, jigs, etc.; to manufacture specialties in the most economical manner. Reference. Address MECHANIC, care of J. W. Leix, No. 717 Clinton Street, Ottawa, Ill.

THOROUGHLY experienced bookkeeper, correspondent or office man desires position with responsible firm. Best of references. Address J. C. H., P.O. Box 261, Rochester, N. Y.

DESIRED by a practical Hardwareman a permanent position with some live house. Understands thoroughly builders' Hardware and mechanics tools. Salary moderate; reference of the best. Address PRACTICAL, care HARDWARE, No. 143 Chambers Street, New York.

A MAN of long experiense in the Hardware business desires a position with a manufacturing concern, preferably builders' Hardware; has held position of responsibility and in managerial capacity. Address B. H., care HARDWARE, No 143 Chambers Street, New York.

POSITION wanted.—A salesman well known among the Hardware export, housefurnishing and department store trade is open for engagement. Address H, care of HARDWARE, No. 143 Chambers Street, New York

WANTED a position as stenographer by a lady who has had over five years' experience with a large Hardware jobbing house. Best of references given and required. Address F. E. W., No. 723 Church Street, Lynchburg, Va.

AN A-1 metal pattern maker, experienced in various lines, desires situation. Address PATTERN, care HARDWARE, No. 143 Chambers Street, New York City.

SITUATION wanted.—A practical Hardwareman; been four years with a first-class house as price and discount clerk; a rapid and accurate figurer; a hard worker; references first class. Address DISCOUNT, care HARDWARE, No 143 Chambers Street, New York City.

WANTED—BY young man 29 years of age; has had ten years' experience in wholesale builders' and general Hardware, in or outside position with wholesale or extensive retail store. Address RUSSELL, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

A TRAVELING salesman wishes a good side line for Illinois, Missouri, Iowa, Kentucky, Indiana and Ohio. Address I. N. D., care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman wishes one or more good side lines for the New England States. Will start about the 10th of March. Trade visited: Hardware, Harness and Carriage repositories, Clothing stores. A1 references. Address MONITOR, No. 402 Bronson Avenue, Rochester, N. Y.

A WELL-KNOWN firm, representing several factories as New York office, wishes to add at least three good lines either on commission or salary. Address MANUFACTURERS' AGENT, care HARDWARE, No. 143 Chambers Street, New York.

WANTED.—Side line, by salesman calling on the Hardware trade. Address M. A. N., care of HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WANTED a Commission House to market in the United States a Hardware Specialty. Address Box 255, Perth, Ont.

SALESMAN wanted who calls on the retail Hardware and drug trade in New York State and Pennsylvania to sell a line of Razors Strops as side line. Address "B," care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN wanted visiting the Hardware trade, to sell a high grade metal polish. Good inducements. Address CROSS, care T. J. Nay & Co., Nos. 18 and 20 Franklin Street, Brooklyn, N. Y.

PARKER'S Folding Bicycle Stand—a good seller and profitable. Address F. HAWLEY, No. 40 Gold Street, New York.

Tools Wanted.

COMPLETE set of new or second-hand Tinners' Tools wanted, Stowe's make preferred; must be cheap. Address J. S. RIDENOUR, Jackson, Ohio.

Store Wanted.

TO BUY—Wanted a Hardware store. Address E. I. P, care A. Seelig, No. 10 Second Avenue, New York.

For Sale.

A CLEAN stock of Hardware and stoves in county seat of best agricultural county in Ohio. Established business. Must give attention to other interests. Address "NORTH," care HARDWARE, No. 143 Chambers Street, New York.

Attention! Hardware Dealers!

WANTED—Hardware dealers who handle bicycles to write us for particulars regarding Norwood Bicycles. HALL & DOWNING, No. 82 West Broadway, New York.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Agency Wanted.

GENTLEMAN with over twenty years' experience in general Hardware, wishes to correspond with some manufacturers with a view of representing them in the South. Address J. W. JOHNSON, Drawer, Birmingham, Ala.

A MAN of fine experience in miscellaneous Hardware, tinware and housefurnishing goods (is now employed), desires to make changes. Wants to represent best houses. Prefers those who seek all available dealers and make prices "F.O.B. destination." Large trade acquaintance in North and South Carolina. Address STRICTLY COMMISSION, care Carrier No. 7, Charleston, S. C.

WANTED by a young man with thirteen years experience, to represent some Horse Shoe or Horse-Shoe Nail Manufacturer or Manufacturers' Agent; can furnish best of reference. Address EXPERIENCE, care HARDWARE, No. 143 Chambers Street, New York.

AMERICAN, 29 years old, experienced in business and a salesman, offers his services in Boston and New England on commission basis to manufacturers producing salable line of goods, and in such a thorough representation will be assured. Address H. C. D., care HARDWARE, No. 143 Chambers Street, New York City.

Rubber Agency Offered.

CYCLE Tires $4.88 pair; best '97's; Durable, Resilient; Full Guarantee. MINERALIZED RUBBER CO., No. 18 Cliff Street, New York.

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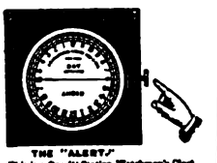
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Lowest Prices. Latest Improvements.

PATENTS 1885-1896.

Write for Price List and Card showing difference between N. Y. time and local time in all parts of the world.

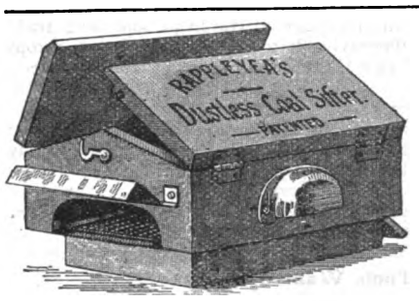


THE "AA.ERT."

This is a One (1) Station Watchman's Clock. Price, with 600 paper disks, complete, - $25.00

E. G. HAUSSURG, 41 Maiden Lane, New York.

THE GEO. W. STANLEY CO.,
BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails,
Double-Pointed Tacks and Staples.



Rappleyea's Dustless Ash Sifter
WILL LAST A LIFETIME.
Price, Complete, $1.00.
MANUFACTURED BY . . .
THE NEWBURGH SIFTER MFG. CO.,
Newburgh, N. Y.
E. F. BENSON, JR.,
SOLE NEW ENGLAND AGENT,
146 Franklin St., Boston, Mass.

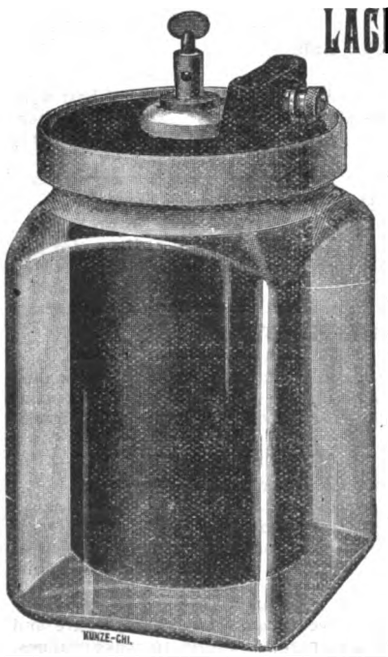
HAVE BEEN WELL SATISFIED

Buffalo Cycle Co., Buffalo, N.Y. [*Bicycles*]: We are pleased indeed to add our testimonial to the merits of HARDWARE as an advertising medium. We have been extremely well satisfied with our advertising therein, although of course it is impossible for any manufacturer to trace the ratio of direct results from any one paper. . . . . .

J. K. WILLIAMS,
MACHINE SHOP.
210 CHERRY STREET,
AKRON, OHIO.

Special Machinery

Estimates made on all kinds of Special Machinery, Boiler Tube Expanders, Bicycle Tire Moulds, Moulds for all kinds of Rubber Goods, Hangers, Shafting, Clay Working Machinery, etc. Write for Estimates. . . . . .



LACLEDE & HERCULES BATTERIES

For Door Bells, Telephones, and Annunciators.

WARRANTED stronger and longer lived than any other Sal-Amoniac Battery made. . . . . .

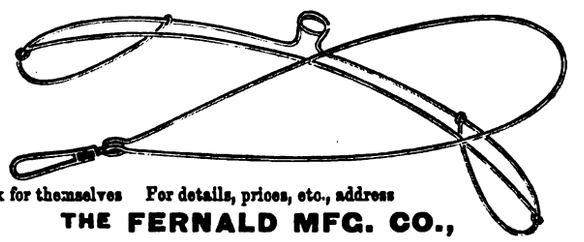
MADE ONLY BY

PERU ELECTRIC MFG. CO.,
PERU, IND

ALSO MAKERS OF
ELECTRICAL PORCELAIN
OF ALL KINDS

Send for Catalogue.

. . . Hilton's Wire Coat Frame.
Hilton's Wire Carpet Beater. . .



Speak for themselves For details, prices, etc., address
THE FERNALD MFG. CO.,
NORTH EAST, PA.

SHOOT BLUE ROCKS.
For Sale by all Jobbers.
Foreign Trade Supplied Direct or Through Exporters.
The Cleveland Target Co.,
Cleveland, Ohio.

NICKEL PLATING

LACQUERS, CYANIDE POTASH, NICKEL SALTS.

ESTAB. 1828. INCOR. 1891.
THE HANSON & VAN WINKLE Co.
OFFICE NEWARK, N.J., U.S.A. AND WORKS
NEW YORK. CHICAGO.

TRIPOLI, ROUGE, BUFFS, & C.

OUTFITS

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PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—
House Carpenters..... } 40&12½%
Ship Carpenters..... }
Railroad..... }

Ammunition—

CAPS, PERCUSSION—₩ 1000—
M. C. Co. and Hicks, trimmed edge.....47 @ 50c
U. M. C. Co. and Hicks ground edge.....47 @ 50c
Musket, Waterproof, 1-10's..45 @ 50c
G. D.....20 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&5%
Cent. Fire, Pistol and Rifle.60&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.10@1.15
B.B. Caps, Con. Ball, Swgd $1.75@1.80

PRIMERS—
Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS, LOADED—
With Black Powder...40&10&10&5%
With Nitro Powd'r.40&10&10&10&5%

GUN WADS—₩ 1000—
B.E., 11 up.80c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&5%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.25
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.50
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.50
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag.....$2.00
Dust Shot, 5-lb bags, ₩ bag ....$ .30
Jobbers frequently deduct 5@10 cents ₩ bag.

POWDER—
Laflin & Rand:
Orange Rifle ex., kegs 25 lb $4.00
12½ lb 2.25
6¼ lb 1.25
Orange, Special, kegs 25 lb 5.00
12½ lb 2.75
6¼ lb 1.50
Orange Ducking, kegs ..6¼ lb 2.25
[For 100 lb lots 10% discount.
Blasting and Mining, A..25 lb 2.25
Blasting and Mining, B. 25 lb 1.50
Laflin & Rand W.-A. Smokeless:
Sing e Canisters.....$1.00
10 Can Drums.....$9.00
Discounts on application.

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 4.00
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.25
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 4.00
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 2.25
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.25
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 5.00
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.75
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.50
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50
Du Pont Sporting Powder, for lots 1000 lb 10% discount:
Du Pont Smokeless Powder:
Kegs, equal in bulk, to 25 lb Black Powder.....$22.00
Half Kegs, equal in bulk to 12½ lb Black Powder..... 11.25
Quarter Kegs, equal in bulk to 6¼ lb Black Powder..... 5.75
Canisters, equal in bulk to 1 lb Black Powder..... 1.00
Discounts on application.

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.35
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

TARGETS AND TRAPS, INANIMATE—
Cleveland Target Co.:
Blue Rocks ₩ 1000.....$5.50
Expert Traps, each.....$5.50
Extension Traps, each.....$4.00

Animal Pokes—
R. W. Montross, Galien, Mich.:
Camp's Success.....₩ doz. $3.50
Galien Safety.....₩ doz. $3.75
Hartman's Pivot.....₩ doz. $4.75
Iowa Farming Tool Co.:
Hawkeye.....₩ doz. $3.25
Western.....₩ doz. $3.75

Anvils—
American "Horse-Shoe"...9¼@9¾c
Armitage's Mouse Hole.....9¼@9¾c
Eagle Anvils, ₩ lb 9c.....12½&10%
Hay-Budden, Wrought.....8¼@8¾c
Peter Wright's.....9¼@10¼c
Samson.....8¼@9c
Trenton.....8¼@9c

ANVIL AND VISE COMBINED—
Cheney Anvil and Vise.....40%
Holt's.....40@40&10%
Millers Falls (with drill) $18.00..20%

Augers and Bits—
Boring Machine .....70&10@75%
Cincinnati Tool Co.:
Bell hangers' bit.....40%
Brace twist drills for metals. 50&5@50&10%
Brace twist drills for wood. 40&5@40&10%
Screw and plug.....35&10&10%
Cleveland Wood Bits for Brace, Style A, No. 114.....50&5%
Common.....70&10@75%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Forstner Pat. Bits.....25%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 20.60%
Nobles Double Spur, No. 33.70&10%
No. 10 Extension Lip.....40%
No. 1 Extension Lip pattern car bit.....40%
Pat. Car Bits, No. 10.....40%
Pat. Car Bits No. 20.....60%
Ring Augers.....70&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Russell Jennings' Augers and Bits. 25&10&2½%

HOLLOW AUGERS—
Bonney's Adjustable, No. 4, $24.00, 20%
Cincinnati Adjustable.....25&10%
Cincinnati Standard.....25&10%
Douglass'.....33⅓@33⅓&10%
Ives.....33⅓@33⅓&10%
Millers Falls, Goodell....15&7½&10%
Universal, each $4.50.....20%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Cincinnati.....25&10&10%
Clark's small, $18.00.....45%
Clarks' Large, $26.00.....45%
Ives' Model, ₩ doz. $60....50@50&10%
Steer's No. 1, $26; 2, $18.....40%
Stearns' No. 2, $48.....20%
Swan's.....40@40&10%

GIMLET BITS—
Diamond ₩ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 50&10%
Double Cut, Common, ₩ gro. $2.75 @$3.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ladds'.....70%
C. E. Jenning & Co.:
Double Cut.....70%
German.....50%

BIT STOCK DRILLS—
Cincinnati Tool Co., for wood.40@ 40&10%
Cleveland Wood Bits for Brace 50&5%
Syracuse, for wood.....40%

TWIST DRILLS—
Cleveland.....60&5@60&10%
Morse Twist Drills.....60&5@60&10%
New Process.....60&5@60&10%
Standard.....60&5@60&10%
Syracuse.....60&5@60&10%

SHIP AUGERS AND BITS—
L'Hommedieu's.....15&10%
Snell's.....60&10@40%
Watrous'.....40%

Awls—
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Handled Brad, ₩ gr.....$2.00@$2.25
Hld Scratch ₩ gr.....$3.75@$4.00
Pat. Peg ₩ gr.....30@35c
Sewing, Com.....₩ gro., 85c@$1.00
Should. Peg ₩ gr.....$1.25@$1.45
Shouldered Brad. ₩ gr...$1.50@$1.65
Socket Scratch ₩ doz....$1.00@$1.10
Stanley Rule & Level:
Handled Brad.....40&10%
Patent Pegging.....50&10%

Awl and Tool Sets—
Aiken's Awls and Tools: No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10..... 60&10@60&10&5%
Brad Sets: No. 42, $10.50; 43, $12.50...70&10&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Ice Awls.....55%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18.. 15@15&10%
C. E. Jennings & Co.'s Adjustable Tool Handle, No. 10, $3.50; 45, $4.50; 65, $6.00; 75, $9.00; 175 $10.00 ₩ dozen net.

Axes—
First quality, best brands.$5.00@5.25
First quality, other " $4.50@4.75
Beveled add 50c ₩ doz.

AXES, HANDLED—
Peck's:
Champion Blade...per doz., $12.00
Empire.....per doz., $9.00
Firemans'.....per doz., $18.00

HATCHETS—
Collins.....10%
Findlay Axe & Tool Co...40@40&10%
Hunt's, Underhill's or Bleod's... 40@40&10%
Peck's:
Champion Blade.....45%
Empire Brand.....50&10%
Fayette R. Plumb:
Broad, New List.....40&12½%
Lathing.....50%
Shingling.....50%
Warehouse.....40&12½%
Vulcan Tool Co.....60%

Balances—
Chat llon's:
No. 2000 20 30
₩ doz. 75c 85c $1.65 net
Circular Balances.....60%
Straight Balances.....50%
Circular Spring Balances.50&10@60%
Common 24 lb. .....₩ doz. 80c net.
Ice.....50&10%
Straight Spring balances.50&10@60%

Barrel Drainers—
National.....30%

Beef Shavers—
Enterprise:
Japanned, each, $3.50.....25%
Tinned, each, $7.50.....20%

Bells—

HAND—
Extra Heavy Brass.....65&10%
Light Brass.....70&10%
Globe (Cone's Patent).....40%
Silver Chime.....40%
White Metal.....65&10%

DOOR—
Crank, Cone's.....10%
Gong, Abbe's.....40@40&10%
Gong, Barton's.....40&10@50%
Gong, Yankee.....55&10%
Lever, R. & E. Mfg. Co.'s.40@60&10%
Multi-Stroke.....50%
New Departure.....45@60%

COW—
Common Wrought.....60&10%
Dodge, Genuine Kentucky 70@70&10%
Kentucky, Sargent's List.....75%
Texas Star.....50&10%
Western, Sargent's list.....75%

Bellows—
Blacksmith's.....70@70&10%
Hand.....50&5@50&10&5%
Moulders.....50&5@50&10&5%

Belting, Rubber—
Boston Belting Co.:
"Boston".....50&10&5%
"Imperial," seamless, stitched 40&10%
Cleveland Rubber Co.:
Buckeye.....60&10%
Shield High Grade.....50&10%
War. 2 XL.....40%
Common Standard.75&10@75&10&5%
Extra.....60&10&5@70%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Standard.....70&10@75%

Bench Stops—
Cincinnati.....25&10%
Morrill's No. 1, $10.00 per dos.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10&10&10%
Terrell's No. 1 and 2, $3; No. 2, $3.00 ₩ doz.....20%
Millers Falls.....15&10%

Bit Holders—
Angular.....40&5%
Extension:
Barber's, ₩ doz. $15.00.....45%
Ives'₩ doz. $30.00.60&10@60&10&5%

Blind Adjusters—
Domestic..₩ doz. $2..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
North's.....10%
Zimmerman's.....50&10@50&10&10%

Blind Fastenings and Tenons—
Austin & Eddy ₩ gro. sets.....$5.50
Gorhams Improved Star Tenon ₩ gro. $1.00.....25%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Millers Falls ₩ set $1.00.....15&10%
Security Gravity ₩ gr.....$9.00
Van Sand's.....65&10%
Washburn's Plate ₩ gr.....$9.00
Zimmerman's.....50&10@50&10&5%

Blocks—
Cleveland Block Co. Steel.50&10@75%
Com. Jap'd Sheaves...70&5@70&10%
Lance:
Junior, Self Sustaining.....50%
Pat. Automatic.....
Perfect Safety.....

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Regular Iron Strapped Blocks 70&5@70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c.....70%
Cast Iron Chain.....50&10%
Cast Iron Shutter Bolts.....70%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75@75&10%
Wrought Square..70&10@70&10&10%
Wr't Shutter, Standard list.....70%
Wr't Shutter, Sargent's list.....70%
Wr't Sunk Flush, Sargent's list. 50&10@50&10&10%
Wr't Sunk Flush, Stanley's list 50&10@50&10&5%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&5%
Window Spring.....75%
Window Spring Bolt Socket.....70%

CARRIAGE, MACHINE, &C.—

Bolt Ends.....80@80&5%
Machine.....75&10@80%
Carriage, Common.....75&5@75&10%
Norway Iron, list Oct. '84..80&10@ 80&15%
Phila., Eagle, list $3.00.....85%
R. B. & W., $2.40 list.....70%

TIRE—

American Screw Co.:
Bay State, Plain list Feb. 26, '98. 75&10%
Bay State, Fluted.....80%
Eagle Phila., list Feb. 26, '98....85%
Norway, Phila., list Feb. 26, '98. 85%
Common, list Feb. 23, '93..75@75&10%
Eagle.....85%
R. B. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—

Plow.....60&10&10@70%
R. B. & W., Plow.....65%
Stove.....75&10%

MISCELLANEOUS—

Sink.....75&10%
Sleigh Shoe.....85%

Bone Mills—

Enterprise.....80%

Borers, Tap—

Common and Ring.....20&10@25%
Enterprise, No. 1, $1.50; 2, $2.00; 3, $3.00 each
Ive's.....33⅓&5%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'	$3.50	$3.00
Jennings'	3.50	3.00
Millers Falls	7.50	15&10%
Other Machines	2.25	2.50....net
Phillips' Patent with Augers	7.00	7.50....
Snell's, Rice's Pat.	2.50	$2.75

Bow Pins—

1¼ inch, ₩ gro.....$4.50@$5.00
2 inch, ₩ gro.....$5.00@$5.50

Boxes, Mail—

Heller's.....40&5%

Braces—

Barber's.....50&10@60&10%
Barber's Ratchet.....60@60&10%
Bartholomew's:
Nos. 25, 27 and 30.....70@75%
Nos. 117, 118, 119.....70&75%
Common Ball American..$1.10@$1.20
Ives':
Barbers'.....60&5%
Barber Ratchet.....60@60&10%
New Haven Novelty....70@70&10%
New Haven Ratchet.60&10@60& 10&10%
Spofford.....60&5@60&10%
C. E. Jennings & Co.:
No. 108@114¼.....60&10%
No. 208¼@214¼.....60%
Peck's (P. S. & W. Co.)...60@60&10%
Gen. Spofford's.....50&10&5%

Brackets—

Door Screen.....70&10%
Moore's.....70&5%
Shelf, Bradley's Patent.....80%
Shelf, Plain, Regular list.....70&10%
Shelf, Fancy, Sargent's list.60&10@ 60&10&5%
Window Screen Corner.....70&10%
Reading, plain.....70%
Reading, Rosette.....70%

Bright Wire Goods—

Standard list.....85@85&10%

Bull Rings—

Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.80@80&10%
Sargent's.....80@80&10%
Seymour Smith & Sons.....60%

Butcher's Cleavers—

Beatty's.....40&5@40&10%
Bradley's.....35@35%
Dunlap's Family.....35%
Foster Bros. Flat Hds.....30%
Foster Bros. Round Hds.....40%
Ives'.....40%
L. & I. J. White.....35%
New Haven Edge Tool Co.'s.....40%
Peck, Stow & Wilcox.....[illegible]

Bung Hole Borers—

Enterprise.....35%
C. E. Jennings & Co.:
No. 6.....40%
No. 10.....30%

Butter and Cheese Trier—

Ordinary Black Handle.....35%

Butt and Rabbet Gauges—

Stanley's.....35&10%

Butts—

BRASS—

Cast Brass, Fast Joint....40@40&10%
Cast Brass, Ice House.....40%
Cast Brass, Loose Joint...40@40&10%
Wrought Brass, List Sept. '96.40@ 40&10%

CAST IRON—

Loose Joint.....75@75&5%
Loose Joint, Japanned.....75@75&5%
Loose Joint, Jap. with Acorns, 75@75&5%
Loose Pin.....75@75&5%
Mayer's Hinges.....75@75&5%
Parliament Butts.....75@75&5%
Sargent's:
Fast Joint, Broad.....60&10%
Fast Joint, Narrow.....60@60&10%

WROUGHT STEEL—

List, April 1, 1895.
Bronzed Inside Blind Butts.50&10 @50&10&5%
Bronzed, Narrow.....
Fast Joint, Narrow.....
Fast Joint, Light Narrrow.....
Fast Joint, Broad.....
Loose Joint.....
Loose Pin.....
Table Butts, Back Flaps, etc..
} 75%

Can Openers—

American.....₩ gross $1.75@$1.90
Champion, ₩ doz. $2.00.....50%
Columbian.....₩ gro. $14.40
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Dunlap's Wood Handle No.2$1.75.25%
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
No. 5, Iron Handle, ₩ gr....$2.00@2.25
Sardine Scissors...₩ doz. $2.00@2 25
Sprague, No. 1, $2.00; No. 2, $2.25; No. 3, $2 50.....70%
Universal, ₩ doz. $3.00.....55&5%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%

Cards—

Cotton.....30@35%
Horse and Curry.....30@35%
Wool.....30@35%

Carpet Stretchers—

Bullard's.....33⅓%
Cast Iron Steel Points, ₩ doz.75@$1.00
Cast Steel, Polished.....₩ doz. $2.25
Dunlap's.....35%
Excelsior.....25%
Socket.....₩ doz. $1.75

Carpet Sweepers—

Bissell's:
Gold Medal.....
Grand.....
Grand Rapids.
Hall.....
Prize.....
Premier.....
Superior.....
} Cyco-Bearing
..₩ doz. $27.00
..₩ doz. $36.00
..₩ doz. $24.00
..₩ doz. $60.00
..₩ doz. $27.00
..₩ doz. $27.00
..₩ doz. $27.00
Crown Jewel, japan finish, ₩ doz $19.00
Crown Jewel, silver bronze trimmings, ₩ doz.....$30.00
Crown Jewel, nickel, ₩ doz. $21.00
Furniture Protector, Japan.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Parlor Queen, Jap...₩ doz. $24.00
Parlor Queen, Nickel, ₩ doz. $27.00
Standard.....₩ doz. $24.00
Lots of 5 dozen $1.00 per doz. less.

TOY LINE—

Baby.....₩ doz. $2.50
Child's.....₩ doz. $3.00
Little Jewel.....₩ doz. $7 00
Little Queen.....₩ doz. $4.00
Missee.....₩ poz. $9.00
Lots of 5 dozen $1.00 ₩ doz. less.

Casters—

Bed.....60&10&10@70%
Deep Socket.....60@ 0&10%
Giant Truck Casters.....35%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%
Martin's Patent (Phœnix). 60@60&5%
Plate.....60&10&10@70%
Socket Truck Casters..45&10@45& 10&10%
Stationary Truck Casters.....50&10%
Store Truck.....55%
Swivel Truck.....60&10&10%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50&5%
Yale Gem.....70&10&5%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@ 70&10&10%
Peck, Stow & W. Co.....60%
Sargent's.....70&10@70&10&10%

COW TIES—

American.....60&10%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%
Triumph.....33⅓%

Chain—

American Coil, Ass'n base prices.

3-16	¼	5-16	⅜	7-16	½	⅝	¾
$6.85	5.35	4.25	3.85	3.50	3.35	3.15	3.05

Covert Saddlery Works:
Breast Chain.....60&20%
Hitching Chain.....6 &20%
Rein Chain.....60&20%
Covert Mfg. Co. Chains.....45%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Galvanized Pump Chain, with Buckets.....5@5½c
German Coil.....60&10@70%
German Halter Chain....60&10@7 %
Jack Chain, Iron.....70@70&5%
Jack Chain, Brass.....70@70&5%
Oneida Halter Chain.....60@60&10%
Plumbers.....60%
Trace, Wagon and Fancy Chains, 60&10@60&10&10%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

Buck Bros.....30%
Charles Buck.....30%
Douglass.....75@75&10%
Hinsdale.....
Mix.....
Ohio Tool Co.....
P. S. & W.....
Sag Harbor Tool Co.....
Swan.....
Winsted Edge Tool Co.....
} 75&10 &5%
C. E. Jennings & Co. No 76....35&10%
Jennings & Griffin Mfg. Co....75&5%
Merrill & Wilder.....60&10%

TANGED AND MISCELLANEOUS—

Rex.....60&10%
Buck Bros.....30%
Butchers'.....$4.75@$5.00 to $
Cold Chisels, good quality, ₩ lb 14c@16c
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges.....40&10%
Spear & Jackson's.....35 to $
Tanged Firmers'.....50@50&10%

Chucks—

Beach Pat....each $3.00.....20%
Cushman's:
Combination.....40%
Independent.....50%
Morse's Adjustable, each $7.00...25%
Syracuse, Bals Pat.....30%
Sidaner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....40%
Skinner's Pat. Comb. Chuck.....40%
Union Mfg. Co.:
Combination.....40%
Independent.....40%
Universal.....40%
Victor, No 1, $3.50; No. 2, $12.50..25%

Clamps—

Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearns'.....30@30&10%
Cabinet Makers, Sargent's...45&10%
Carpenters', Cincinnati.....25&10%
Carriage Makers', Sargent's.. 50&10@50&10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
R. I. Tool Co.'s Wrought Iron....25%
Smith's:
Eccentric.....25%
Splicing.....25%
Splicing Tools.....25%
Warner's.....40&10@40&10&5%

Cleaners, Sidewalk—

Challenge Shank.....₩ doz. $3.25
Star Shank.....₩ doz. $3.50
Star Socket.....₩ doz. $3.75

Clips—

Norway Axle.....70@70&10%
Norway Spring Bar Clips.70@70&10%
Superior Axle Clips.....70&10@75%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....30%
National.....30
The Swift, Lane Bros.....33⅓%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%

Compasses, Dividers, &c.—

Athol Calipers and Dividers.....40%
Bemis & Call Co.'s:
Compasses.....50&5%
Dividers.....65%
Compasses, Calipers, Dividers. 70@70&10%
Wm. Johnson's:
Extension Dividers.....40%
Inside, Outside and Double.....70%
Registering.....50%
Wing Calipers.....70%
Wing Dividers.....75%
Stevens's "Ideal".....35&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...35&10%
Wright's Graduating.....15%

Coopers' Tools—

Bradley's.....20%
Barton's.....30@30&5%
Beatty's.....33⅓%
L. & I. J. White.....30@30&5%
Sandusky Tool Co.....35&10@35&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....40%
Humason & Beckley Mfg Co. 33⅓ @33⅓&10%
Samson.....₩ doz $10.00
Williamson's.....40%

Corn Hooks—

Kretsinger Cut-Easy, ₩ doz. $3.00 net

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....30@35&10%

Counter Sinks—

Adjustable.....20%
Countersink Bits.....40&10%
Shepardson's Diamond.....40@45%
Smith's.....25%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....₩ gro. $2.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.25
Solid.....₩ gro. 7.50

Curry Combs—

Fitch's, List Nov. 20, '96.....25&10%
Perfect.....25&10%
Rubber, ₩ doz. $7.50.....30@30&10%
Southington Cutlery Co.'s List, Nov. '96.....25&10%

Cycle Hangers—

Lane's.....33⅓&5%

Diggers—

See Post Hole, etc.

Dog Collars—

Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%
Medford Fancy Goods Co. list..40& 10@50%
Union Hardware Co. New List, 50&50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

Door Springs—

Champion (Coil)...50&10@50&10&10%
Foster's (Coil).....30%
Gem (Coil), list Oct. '95.....35%
Rubber, complete, ₩ doz. $5.50. 66⅔&10%
Star (Coil), list Oct. '95.....33⅓&10%
Torrey's Rod, 30 in. ₩ doz $1.25@1.35
Victor, Coil.....50&10@50&10&5%
Warner's.....55@55&10%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Adjustable Handle.....40@40&10%
Bradley's.....35%
Douglass.....75@75&10%
Jennings & Griffin.....75&5%
Merrill & Wilder.....60&10%
Mix.....
New Haven.....
P. S. & W.....
Witherby.....
} 75& 10& 5%
Watrous.....30@30&10%
L. & I. J. White.....30@30&5%
Wilkinson's Folding.....35@35&5%

Drills and Drill Stocks—

Automatic Boring Tools..$1.75@1.85
Blacksmiths'.....each $1.75
Breast, Bartholomew's No. 12, ₩ doz.....$16.00
Breast, Millers Falls, each $3.00 15&10%
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Graves Drill Stocks.....40%
Ratchet, Billings' Dble. Acting.33⅓&
Ratchet, Ingersoll's.....35%
Ratchet, Merrill's.....30@30&5%
Ratchet, Moore's Triple Act.35@30%
Ratchet, Parker's.....40%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....30@35%
Stearns' Bench.....50@50&10%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓&
Wilson's Drill Stocks.....10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

Dover (Standard Co.) No. 10 ₩ gro. $9.50

Dover Extra Heavy (Standard Co.) No. 15.....₩ gro. $21.00

Paine, Diehl & Co.'s Keystone..33⅓&

Spiral.....₩ gro. $4.75@$4.50

Electrical Supplies—

J. Jones & Son:

Alarm Clocks, Electric.....$2.00 each, less 50%

Annunciators, $1.50 ₩ drop, less 50%

Batteries, Leclanche...60c. each, less 50%

Batteries, Carbon..6'c. ea., less 50%

Batteries, Medical, $3.50 ea., less 50%

Batteries, Dry .....50c. ea., less 50%

Bells, Electric, 2½, 50c. ea., less 50%

Call Bell Outfit, Electric...$2.00 each, less 50%

Desk Pushes Electric..30c. each, less 50%

Door Springs, Electric...24c. ea., less 50%

Early Risers' Set, Electric..$1.50 each, less 50%

Floor Pushes, Electric...6 c. ea., less 50%

Gas Burners, Electric....5(c. ea., le s 5 %

Gravity Batteries, $1.00 ea., less 50%

Hydrometers....75c. each, less 50%

Incandescent Lamps..40c. each, less 50%

Induction Coils, Telephone..6 c. each less 50%

Lead Covered Wire No. 18, No. 16, No. 14

Magnetos, Telephone, $7.00 each, less 50%

Push Buttons, Bronze, 20c. each, less 50%

Push Buttons, Wood..10c. each, less 50%

Sal Ammoniac...18c. ₩ ℔, less 50%

Switches, 1 pt....20c. each, less 50%

Switches, 2 pt....24c. each, less 50%

Switches, 3 pt....28c. each, less 50%

Spark Coils, 8 pt..$3.00 ea., less 50%

Spark Coils, 10 pt $4.40 ea., less 50%

Spark Coils, 12 pt.....$3.80 each, less 50%

Tape, Insulating, 80c. ₩ ℔, less 50%

Tube, Speaking, $31.00 ₩ 1,000 ft. less 50%

Whistles, Speaking Tube, N. P., 2.00 ₩ doz., less 50%

Whistles, Speaking Tube, Porcelain.....75c ₩ doz., less 50%

Wire Winders, $10.00 each, less 50%

Window Springs, Electric...24c. each, less 50%

Yale Lock Switch, Electric, $3.50 each, less 50%

Zincs, Leclanche...04c. ea., less 50%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ₩ ℔..4½c	5c	3c	
½ kegs, ₩ ℔.4½c	5½c	3½c	
¼ kegs, ₩ ℔. 5c	5½c	3½c	
10 ℔ cans, 10 in case.... 6c	6½c	5½c	
10 ℔ cans, less than 10.. 10c	10c	8c	

Enameline—

No. 4, ₩ gro.....$4.50

No. 6, ₩ gro.....$7.20

Escutcheons—

Brass Thread.....80@80&10%

Wood.....25%

Escutcheon Pins—

Brass.....70@70&10%

Iron, list January, 1890.....80@80&5%

Farriers Knives—

"Challenge".....₩ doz. $3.00

Poppa.....₩ doz. $3.00

Wilkinson's.....₩ doz. $3.00

Faucets—

Brass Globe Cocks.....60&10%

Brass Racking.....60&10%

Burnside's Red Cedar.....50%

Burnside's Red Cedar, bbl. lots 60&10%

Bohren's Pat. Rubber Ball.....35%

Dean's Cork Stops.....60%

Pray's Pat. Petroleum..60&10@70%

John Sommer's Boss Tin Key....50%

John Sommer's Chicago Cork lined.....60%

John Sommer's Common Cork Lined.....70%

John Sommer's Cedar (in bbls.) 50&10%

John Sommer's Diamond Lock..40%

John Sommer's I. X. L. Cork Lined.....50%

John Sommer's No Brand Metal Key.....60%

John Sommer's O. K. Cork Lined.50%

John Sommer's Perfection Cedar.40%

John Sommer's Peerless Tin Key.40%

John Sommer's Reliable Cork Lined.....60%

John Sommer's W. P. Metal Key.40%

Star.....60@60&5%

Self-Measuring:

Enterprise ₩ doz. $36.00.....40%

Lane's ₩ doz. $36.00.....40%

National Specialty Mfg. Co....40%

Fibreware—

Standard Fibre-ware Co.

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Buggy Pails, 7 in. high.	2.60		
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt.	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)	1.40	1.70	2.00
Cuspidors, 9x7½ inches, (anti-tip-over)	5.50	6.50	7.00
Dairy Pails, 14 qt.	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire"	3.40		
Fruit Bowls	1.30	1.70	2.00
Keelers, 11½ inch	2.30	2.80	3.10
Milk Pans	1.80	2.00	2.30
Mats, 8½ inch (for table use)	.50	1.00	1.20
Mats, 15 inch (for cuspidores, etc.)	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)	2.30	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)	3.00	3.70	4.30
Prison Pails, 16 qt. (with cover)	6.50		
Pitchers, 10½ in. high	4.00	4.70	5.30
Peck Measures	2.80		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt.	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Spittoons, Daisy, 8½ in. (detachable covers)	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers)	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers)	4.00	4.30	5.30
Water Pails, 12 qt.	$3.00	$3.50	$4.00
Waste Paper Jars	3.00	4.00	4.50
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)	1.20	1.70	2.10
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in.. (or Wash Bowls,	2.80	2 90	3.40
Wash Bowls 14 in. deep	2.80	3.30	4.00

Files—

DOMESTIC—

American.....75%

Arcade.....70%

Great Western.....75%

Kearney & Foot.....70&10@75%

Nicholson.....70%

Nicholson's X. F. Files.....33⅓&

Second Quality Files.....80@80&10%

Tiger.....75%

Troy File Works:

Files.....70&10%

Rasps.....70%

Victor.....75&10%

IMPORTED—

Stubs.....Stubs' list, 25@30%

Filters—

Seed's Water Filters:

A 1.	No. 2.	No. 3.	No. 4.
$4.00	$2.50	$1.50	$1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%

Kirby & Limerick, low list (50c base).....10%

Fish Scalers—

Covert's Saddlery Works:

Great American.....60&20%

Fluting Scissors—

List.....45%

Forks—

Champion, Hay, Manure, etc.75&15%

Columbia, Hay.....75&10%

Columbia, Manure.....80%

Columbia, Spading.....80&5%

Hay.....75%

Iowa Farming Tool Co.:

Barley.....60&40%

Manure, 4 tine.....75&10@2½&%

Manure, 5 and 6 tine .....70&20&5%

Spading.....75&10&2%

Victor, Hay.....75&10&2%

Victor, Manure and Header.....80%

Freezers, Ice Cream—

Blizzard.....net

Gem.....net

Granite State.....net

Improved Arctic.....net

Keystone, P. D. & Co.....20%

Ohio.....60&10%

Packer's:

Confectioner's Machine.....net

Double Action Standard.....net

Good Luck.....net

Standard.....net

Shepard's Lightning.....net

White Mountain.....net

Fry Pans—

Acme Fry Pans.....70&10%

Polished, regular goods...75@75&10%

Standard List.....75&10@80%

No.....	0	1	2	3	4
₩ dos..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ dos.....	$6.00	$7.00	$8.00	$9.00	

Gas Lighting Burners—

Gem.....₩ doz. $2.50

In lots of 3 doz.....₩ doz. $2.25

Gauges—

Bemis & Call's Steel.....50%

Boss, Screw Pitch.....33⅓&

Clapboard.....20%

Marking, Mortise, &c..60&10@60& 10&10%

Stanley's.....60&10%

Stanley's Chisel.....35%

Starrett's Surface, Center and Scratch.....35&10%

Copeland Champion Bit ₩ dos $3.00 net

Stubs' Wire and Drill.....20%

Wire, Morse's.....25%

Wire, P. S. & W., low list....10&10%

Wire, Wheeler, Madden & Co....10%

Gimlets—

"Bee," ₩ gr $12.....25@25&10%

Bell Hangers.....50%

"Diamond" Gimlets ₩ gr. $4.00@4.25

Double Cut, Douglass'....40&10@50%

Double Cut, Ives'...60&10@60&10&5%

"Eureka" Gimlets.60&10@60&10&5%

Metal head.....55%

Nail Gimlets:

Assorted 1, 2 and 3.....₩ gr. $1.50

Assorted 2 and 3.....₩ gr. $1.70

Pod.....50%

Star.....60%

Spike Gimlets:

Assorted 1, 2 and 3.....₩ gr. $3.00

Assorted 2 and 3.....₩ gr. $3.25

Wood head.....50&10%

Glue—

Dodd's Liquid Glue.....25&25&10%

Le Pages Liquid.....25&25&10%

Glue Pots—

Family, Howe's "Eureka".....50%

Family, L. F. C.'s "Handy".....60%

Enameled.....45@50%

Tinned.....45@50%

Graters—

Enterprise.....25%

Grindstone Fixtures—

Howard Iron Co.....20%

Moore's.....55&10%

P. S. & W. Co.....50&10&5%

Russell & Erwin.....70&10%

Sargent's Patent..70&10@70&10&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%

Covert's Saddlery Works:

'96 List.....60&20%

Upson & Woodins.....40%

Wright's Animal Tether.....30%

Hammers—

HANDLED HAMMERS—

Atha Tool Co.....50&10@60%

Henry Cheney Hammer Co.

Handled Claw.....40&10%

Machinists'.....60&10%

C. Hammond & Son. List..40&10@50%

Humason & Beckley.....50@50&10%

Dunlap's Patent.....25%

Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40&10%

Maydole's.....33⅓&5@40&5&5%

Peck, Stow & Wilcox.....40@40&5%

Fayette R. Plumb:

Artisan's Choice, A. E. Nail.. 40&12½&%

Engineers & B. S. Hand....60&15%

Y. & P., A. E. Nail.....40&12½&%

Other Brands.....10&10@60%

Sargent's New List.....45@50%

Verree.....50&10@60%

Warner & Nobles New List..25&10%

HEAVY HAMMERS AND SLEDGES—

Under 3 ℔...₩ ℔ 40c
3 to 5 ℔.....₩ ℔ 35c } 75@75&10%
Over 5 ℔.....₩ ℔ 30c

Wilkinson's Smiths....9½c@10c₩ ℔

Hammock Ropes—

Covert Mfg. Co.....45%

Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—

Chest Handles, Sargent's..50&10@ 50&10&10%

Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.05	1.35	1.50

50&10@90%

Drawer Handles.....60%

Ring Handles.....70%

Roggin's Latches.....50&10@60%

Shelf Box Handles.....65%

Trunk Handles.....60%

Tub Handles.....60&10%

STORE DOOR HANDLES.—

Bronzed, with Cylinder Lock....50%

Bronzed.....60&10@62½&%

Japanned, with Nuts.....$1.65

Japanned, with Plate.....$1.10

Japanned, without Plate.....88c

DOOR PULL—

Bar.....60@60&10%

Barn Door.....50&10%

Chest and Lifting.....60@60&10%

Drawer Pulls.....50&10@60%

Plain B. M.....60@60&10%

Push Plates, Sargent's List..60@60 &10%

Sash Pull Plates.....70&10%

Sash Pulls.....60&10&10%

Window Pulls.....66⅔&

WOOD—

Auger, assorted.....₩ gr. $2.25@2.50

Auger, large.....₩ gr. $3.00@3.25

Auger, Douglass', Pat. ₩ set, No. 1, $1.00; No. 2, $1.40

Auger Ives', Pat. No. 1, 60&10% No. 2 to 33⅓&.....40%

Auger, Swan's, Pat. ₩ set, No. 3, $1.00; No. 4, $1.25.....25&10%

Brad Awl.....₩ gr. $1.75@2.00

Chisel Worcester Leather Cap'd 1.50

File, assorted.....₩ gr. $1.25@1.40

Firmer Chisel, Apple ass'd ₩ gr. $2.25@2.50

Firmer Chisel, Apple large ₩ gr. $2.75@3.00

Firmer Chisel, Hickory ass'd ₩ gr. $2.00@2.25

Firmer Chisel, Hickory, large, ₩ gr. $2.50@2.75

Firmer Chisel, Socket ass'd ₩ gr. $2 00@2.25

Hammer, Hatchet, Axe, Sledge, etc.....50&2%

Hoe, Rake and Fork60&10@60&10&5%

Saw and Plane.....40&10@50%

Shovel and Spade, Wood D Hdle. 60@60&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%

Boynton' Loop Saw Handles, 50c.60%

Champion.....45@45&10%

Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....60&10@ 60&10&10%

Barn Door, New England.70@70&10%

Barry, $6.00.....50&10%

Best Anti-Friction.60&10@60&10&5%

Challenge, Barn Door.....50%

Climax Anti-Friction.....55%

Cronk's Roller Bearing, No. 4, $18.00; No. 5, $26.00.....60&10&10%

Cronk's Steel cov'd Loose Axle. 60&10&10%

Davis Parlor Door.....50@50&5%

Duplex (Wood Track).....60&10&5%

Kidder's.....50@50&10%

Lanes Barn Door:

Covered.....60&10%

No. 50.....60&5%

New Model.....4(&10%

Parlor, Standard.....4(&10%

Standard.....60&10%

McKinney's "None Better," No. 2, $18.00; No. 1 Special, $15.00, ₩ dozen pairs.....60&10%

Moore's Baggage Car Door.....33⅓&

Moore's Elevator.....33⅓&

Moore's Railroad.....5%

Reed's Steel Arm.....30%

Rider & Wooster, No. 1, 63½c.; No. 2, 75c.....40%

Richards' Single Track, Steel.50&10%

Star.....60&10&10%

Stearns' Challenge.....50@50&5%

Sterling's Impr'd.60&10@60&10&10%

Terry Ideal.....60&10%

Terry's Modern.....60%

Terry's Modern, Covered.....60%

Terry's Safety.....60&5%

Terry's Solid.....60&10&10&5%

Terry's Wrought.....50&10&10%

The Boss.....60&10@60&10&5%

Universal Anti-Friction.....40%

Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4, $35.00.60&10&2½&%

Warner's Pat.....20&10&5%

Wild West, 4 in. Wheel.....50%

Zenith for Wood Track.....55%

Harness Snaps—

See Snaps.

Hasps and Staples—

McKinney's "Perfect," $1.10 ₩ doz.....40&10%

Wrought.....55&10@55&10&5%

Hatchets—

See Axes.

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Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Auburn Hay, Com. and Spear Point 50%
Auburn Straw 40%
Lightning, from jobbers $6.00@$6.25
Wadsworth's ..... 40&5@40&7½%

Hedge Shears—

Wm. Wilkinson & Sons 50%

Hinges—

WROUGHT IRON HINGES—

Corrugated Strap and T..71@75& 5%
Rolled Blind Hinges Nos. 33 and 34 50&10@50&10&5%
Rolled Plate..... } 70&10@70&10&5%
Rolled Raised... }
Plate Hinges "Providence" 6 to 12 in. ₩ D., &c. 14 to 36 in. ₩ D. 4c.
Screw Hook and Strap. { 6 to 12 in., ₩ D..2½c / 14 to 20 in., ₩ D..3½c / 22 to 36 in., ₩ D..3 c
Strap and T..... ....71@75& 5%

SPRING HINGES—

Acme ..... 30@10%
American 30%
Bommer's 40%
Bardsley's Patent Checking 15%
Chicago. 30%
Crown 30%
Champion 30%
Devore's No. 1..... ₩ gr. $13.00
Deer's Spring and Blank Butts...40%
Gem ..... 30&10%
Kell's American 30%
Matchless No. 10 ..... 70%
New Idea, No. 1, ₩ gro. $7.50
New Idea, No. 2, ₩ gro. $13.00
Oxford ..... 30&10%
Rex ..... ₩ gr. $13.00
Royal Japanned 66⅔%
Rubber 66⅔%
Sargent's List 1894:
Bronze Metal ..... 75&10%
Japanned Surface, Single..70&10%
Japanned Surface, Double..60&10%
Mortise 55%
Model ..... 70@70&10&10%
Tuscan Surface, Single..... 7 %
Tuscan Surface, Double..... 70%
Vigilant. .....50&10@50&10&10%
Union Spring Hinge Co.'s list, March, 1894 ..... 30%
Union Mfg. Co 25%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $13.00

GATE HINGES—

Automatic..... ₩ doz $12.50, 50%
Common Sense..₩ doz pair $4.50, 50%
Clark's Nos. 1, 2, 3..... 70&10&5%
Long's Self Closing 50%
N. E...₩ doz $7.80..... 60@60&10%
N. E. Reversible..... ₩ doz $5.60 60@60&10%
N. Y. State..₩ doz $4.90...6.@60&10%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Seymour's ..... 45&10%
Shepard's Nos. 1, 2, 3.60&10@60&10 &5%
Western, ₩ doz $4.80.....60@60&10%

BLIND HINGES—

Clark's:
Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3..... 50&10%
Mortise Gravity 50%
Nos. 1, 3, 5..... 60&10%
Nos. 40 and 50..... 80%
Huffer 65%
Parker ..... 75@75&10%
Sargent's Nos. 1, 3, 5, 11, 12. 75@75&10%
Shepard's:
Buffalo..... 80&10&5%
Clark's "Victor"..... 80@80&10%
Niagara..... 80&10%
Noiseless..... 80%
O. S. Lull & Porter..... 80&10&5%
Stanley's Steel Gravity Blind Hinges, ₩ doz. sets $1.80.....4 &10%

Hitching Cords—

Covert Mfg. Co 45%

Hoes—

HANDLED—

Crescent Cultivator, 6 in. ₩ doz. $3.75 net
Crescent Cultivator, 7 in. ₩ doz. $4.00 net
Crescent Double-Bit ₩ doz. $4.00 net
Crucible Cut-Easy..₩ doz. $4 50 net
Cotton ..... 8&12½%
Dunlap's Boys', Ladies', Toy..... 8%
Garden, Mortar, &c..... 75&25%
Iowa Crucible Socket..... 75&25%
Magic..... ₩ doz $4.00
Mattock Hoe... ....₩ doz. $4.00 net
Planter's..... 80&20%
Texas Cut-Easy.....₩ doz. $4.25 net
Warren Hoe,..... 60&10%

EYE—

American Axe & Tool Co..... 70%
Grub ..... 80&10@70&5%
Lane's:
Crescent Planters Pat..... 45&5%
Razor Blade, Scovil Pat..... 30&5%
Sandusky Tool Co., S. & O. Pat. 60@60&10%
D. & H. Scovil..... 30@30%

Hog Rings and Ringers—

Hill's:
Rings..... ₩ gr. boxes..$3.60@$4.00
Ringers..... ₩ doz. 55@55c
Perfect Rings..... ₩ gro. 90c
Perfect Ringers..... ₩ doz. $1.00

Hollow Ware—

IRON—

Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware.60&10&10%
Rustless Hollow-Ware.....50@50&5%
Stove Hollow-ware:
Ground ....60&10&10@70%
Unground..... ....70&5@75%
White Enameled Ware:
Boilers and Saucepans....62½@65%
Maslin Kettles.....75&5@75&10&5%
Tinned Boilers and Saucepans.... 60&5@60&10%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Hartford Silver-Plate Co..... 40&5%
Holmes & Edwards Silver Co. 40&12½&5%
Meriden Britannia Co..... 40&5%
Reed & Barton..... 40&5%
Rogers & Brother..... 40&5%
Simpson, Hall, Miller & Co..... 40&5%
William Rogers Mfg. Co..... 40&10%

Hooks—

BUSH—

Jennings & Griffin's..... 40&10%
Light ₩ doz. $5.60 Medium ₩ doz. $5.50; Heavy $6.00

CAST IRON—

Bird Cage, Sargent's list...60&10&10%
Bird Cage, Reading.....60@60&10%
Bird Cage, Williamson..... 50%
Ceiling, Sargent's list..... 50&10%
Chandelier..... 70%
Clothes Line, Sargent's list...5 &10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading..... 60&10%
Coat and Hat, Moore's..... 70%
Harness, Sargent's list....50@50&10%
Lamp..... 55%
Picture..... 75%
Screw Hat..... 70%
Wardrobe..... 55%

WROUGHT IRON—

Cotton..... ₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works..... 30%
Hammock Hooks, E. C. Stearns, ₩ doz..... 60c
Picture, T. & S. Mfg. Co..... 75%
Tassel, T. & S. Mfg. Co ..... 50&10%
Wrought Staples, Hooks, &c. See Wrought Goods.

MEAT—

Enterprise..... 33⅓%
Wm. Johnson's:
8 in..... ₩ doz. $2.20 net
10 in..... ....₩ doz. $2.70 net

WIRE—

Atlas Coat and Hat..... 50@50&10%
Belt..... 30@30&10%
Handy Coat and Hat..... 70%
Steady Ceiling..... 70%
Wire Coat and Hat, Acme...60&10%
Wire Coat and Hat, Gem..... 70%
Wire Coat and Hat, Standard....45%

MISCELLANEOUS—

Carpenter's Amc. Grass Hooks, ₩ doz. $4.00
Covert's Saddlery Works: Self-Locking Gate and Door Hooks..... 60&20%
Dunlap's Merchandise..... 25%
Grass, No. 2, $1.60; 3, $1.80; 4, $2.00
Hooks and Eyes—Brass..... 70&10%
Hooks and Eyes—Mal. Iron..... 75%
Wm. Johnson's Cotton, Box and Hay..... 60%
Moores':
Clothes Line..... 70%
Harness..... 70%
Hotel & School House..... 70%
Whiffletree..... ₩ D 4½c

Horse Nails—

	Nos.	6	7	8	9	10	
A. C.....		28c	28c	28c	21c	21c.	
							40&10%
American, all sizes, 9½@10c.....							net
Ausable.....		26c	26c	25c	24c	23c.	
							40&10&5%
	Nos.	6	7	8	9	10	
Anchor.....		23c	21c	20c	19c	18c.....	40%
C. S. K.....		25c	25c	23c	21c.	21c	40%
Capewell...		19c	19c	17c	16c	16c..10&5%	
Champlain..		26c	26c	25c	24c	23c	
							40&5&5%
Clinton Fin.		19c	17c	16c	15c	14c.	
							50&10&5%
Empire Bronsed.....							10c
Essex.....		28c	26c	25c	24c	23c.	
							40&10@50%
Lyra....9½c		9½c	9½c	9½c	9½c., net		
Maud S.....		25c	25c	23c	21c.	21c	
							50&10&5%
Northw't'n.		25c	25c	23c	21c	20c.	
							35@35&5%
Putnam.....		23c	21c	20c	19c	18c....	25%
Snowden, 9½c 9½c 9½c 9½c., net							
Vulcan.....		23c	21c	20c	19c	18c.....	25%
Western, 8 to 10d.....							9c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co..... 45%

Hose, Rubber—

Boston Belting Co.:
"Boston"..... 50&10&5%
"Imperial"..... 40&5%
Competition..... 75@75&10%
Extra..... 60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para..... 40&10%
Reliable..... 50&10%
Staple..... 60&10%
Standard ..... 70&10@70&10&5%

Ice Awls, Chippers, &c.—

Cleveland Ice Pick....₩ gr $6.00 net
Crown..... .....net
Dunlap's:
No. 1..... $2.50 per doz 30%
No. 20..... $12.00 per doz 20%
Gem Ice Shave..... net
Sargent's Ice Awls..... 55%
Star..... net

Ice Shredders—

Enterprise, No. 33, ₩ doz. $7.20..25%
No. 34..... ₩ doz. $15.00..25%

Jack Screws—

See Screws.

Kettles—

Spun Brass, Plain..... 15@20%
Spun Brass, plated inside with White Metal..... 10@15%

Knives—

Ames':
Bread Knives. ₩ doz. $1.50...20@25%
Butcher Knives..... 20@25&10%
Shoe Knives..... 25@30%
Dunlap Kitchen and Br'd Knives 25%
Foster Bros.' Butcher, &c..... 40%
Goodell's:
Bread Knives Ass'n list..... net
Butcher..... 25%
Shoe Knives..... 40%
Hay and Straw, see Hay Knives.
Nichols' Butcher Knives..... 30%
Table and Pocket, see Cutlery.
Wilson's Butcher Knives..25@35& 5%

Knobs—

Bardsley's Wood Door, Shutter and Base..... 15%
Base, Rubber Tip, 2½ in. Bead, ₩ gr..... $1.25@$1.50
Carriage, Jap..... ₩ gro. 80c, 60&10%
Door Knobs, Hemacite..... 60&10%
Door Mineral..... ₩ doz. 35@40c
Door Por. Jap'd..... ₩ doz. 65@70c
Door Por. Nickel ..₩ doz..$1.70@1.80
Drawer, Porcelain.50&10@60&10&10%
Picture, Hemacite..... 50&10%
Picture, Judd's..... 50&10&10%
Picture, Sargent's..... 70&10%
Shutter, Porcelain..... 70%
Yale & Towne Wood, list Dec. '95. 40%

Ladles, Melting—

Monroe's Pat..... ₩ doz $4.00, 40%
P. S. & W..... 55&10@40%
Reading..... 50&10%
Sargent's..... 60@60&10%
Warner's..... 30%

Lanterns—

Buhl Stamping Co:
No. 100 Buhl Tubular Headlights, ₩ doz. list..... $37.50
No. 16 Buhl Side Lever, ₩ doz. list..... $7.50
No. 10 Buhl Improved Regular, ₩ doz. list $7.50
No. 200 Buhl Square Top Lift. No. 2, ₩ doz. list..... $11.00
No. 150 Buhl Dash Reflector, ₩ doz. list..... $10.50
No. 2 0 Buhl Dash Reflector. No. 2, ₩ doz. list..... $17.00
Discount..... 40&5%

Latches—

Cronk's Sliding Door..... 60%
Lane's Barn Door..... 40%

Lawn Mowers—

Champion ..... 75&10%
Continental..... 60&10%
Drexel Cheap Mowers..... net
Enterprise..... 40%
Genuine Philadelphia Mowers:
C. K. L..... 70&10%
Styles A., and E..... 60&10%
Styles, D., D. O. W., M., S., T.. Great American..... 70&10%
Imperial..... 60&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%
New Easy..... 60&10@60&10&10%
New York..... 60&5%
Pennsylvania..... 60&10%
Rapid Transit..... 70&10&10%
Standard..... 60&5%
Sunbeam..... 60&10%

Lawn Sprinklers—

Enterprise..... 25%
Gibbs' Arc..... ₩ doz. $10.00
Gibbs' Hustler... .....₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3, ₩ doz. $12.00 $15.00 $24.00..25%

Lemon Squeezers—

Berger Bros. ₩ doz. 3-in. $1.00; 10-in. $1.40..... 20%
Dean's, Nos. 1, ₩ doz. $4.50; 2, $3.25 3, $1.65; Queen $3.50 net
Dunlap's Improved ₩ doz. $3.75 20%
Hotchkiss, Straight Flush ₩ doz. $3.60
Jennings' Star...₩ doz. $1.20@$2.10
Little Giant..... 50@50&5%
Porc. Lined, Iron..... $3.25@$3 50
Porc. Lined, Wood.... ₩ doz. $3.00 $3&10@40%
Wood, Common ₩ gross, No. 0, $6.00; No. 1, $6.50; No. 2, $10.00.

Letter Box Plates—

Name Door Plate..... 50@50&10%
Name Plate..... 70%
Number Door Plate..... 60@ &10%
Sargent's..... 60&10@70%

Levels—

C. E. Jennings & Co.'s:
Hexagon..... 25&10%
Iron Bench, new design.... 25&10%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's 50%
Cotton Chalk, 20 feet..... 60&10%
Cotton Trot..... 33⅓%
Masons':
Colored Cotton..... 40&10%
Flax..... 40&10%
No. 0 to 6..... 25%
Samson, Cotton, No. 4, ₩ No. 4½, $3.50.....10%
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro..... 25%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz. $7.50, 10%
Wire Clothes, 100 feet, No. 18, $1.25; No. 19, $1.00; No. 20, $1.75

Locks—

DOOR LOCKS, LATCHES, &C.—

Barnes Mfg Co..... 40@40&10%
Branford Lock Co..... net prices
Brooklyn Latches..... 60&10%
Champion Night Latches..... 40%
Dietz Flat Key..... 20%
Mallory, Wheeler & Co...60&10@70%
Norwalk Lock Co..... 60&10%
Plate..... 33⅓%
R. & E. Mfg. Co..... 60&10@70%
Reading Hdw. Co..... 60@60&10%
Romer's Night Latches..... 30&5%
Sargent & Co..... 60&10@60&10&10%
Slaymaker, Barry Co.'s: Corrugated Key Latch..... 35&5% All other Night Latches..... 40%
Yale..... net prices

CABINET—

Barnes Mfg. Co..... 40@40&10%
Dietz:
Nos. 22 to 30..... 40%
Nos. 41 to 73..... 45%
Nos. 97 to 98..... 20%
Eagle Lock Co..... 45&5%
Charles Parker Co..... 45&5%
Romer's..... 25%
Stoddard Lock Co..... 30@30&5%
Yale..... 45&5%

PADLOCKS—

Acme Bicycle and Satchel per doz. $9.00..... 40%
Ames Sword Co..... 40%
Barnes Mfg. Co..... 30@30&10%
Champion..... 40%
A. E. Dietz..... 40%
Eagle 40%
Eureka, Eagle Lock Co..... 40&5%
Gem, Corbin's..... 40&5%
Romer's Nos. 0 to 3..... 40&5%
Scandinavian..... 30&10@30&10&10%
Smith & Egge Bicycle..... 30%
Wrought Iron..... 70@30%
Yale Lock Co..... net prices

TRUNK—

Corbin's..... 25%
Eagle..... 25%

Mallets—

Sargent's List
Hickory..... 5@25&10%
Lignumvitæ..... 50@25&10%
Raw-Hide..... 40&10%

Mattocks—

Regular list..... 70@70&10%

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Meat Cutters—
American.....30%
Nos....1 2 3 4 5
Each..$6 $7 $10 $25 $60 $60
Beef Shavers (Enterprise).....30%
Chadborn's Smoked Beef Cutter, ₩ doz $60.00
Dixon's.....₩ doz 33⅓%
Nos.....1 2 3 4
$14 $17 $19 $30
Enterprise.....25%
Nos.....10 12 22 33 43
Each...$5 $6.50 $4 $5 $15
Hales Pattern ₩ doz.....70@70&5%
Nos.....11 12 13
$27 $33 $45
Home No. 1..₩ doz $30.....60%
Little Giant.....50&10%
Nos. 205 210 212 220 223
$25 $48 $44 $72 $68
Miles' Challenge ₩ doz...45@45&10%
Nos.....1 2 3
$35 $30 $40
Perfection.....Net
Woodruff's ₩ doz.....33⅓%
Nos.....100 150
$15 $18

Metals, Friction—
Magnolia, ₩ ℔.....25c
Less 20% to the trade, f. o. b. New York.

Molasses Gates—
Enterprise.....30%

Mop Wringers—
Matchless (Canton, O.), ₩ doz.$12.00

Nails—
WIRE AND CUT NAILS—
See Trade Report for quotations.
Wire Nails and Brads, Papered, Ass'n list, May 1, 1893.....87½%
Grand Crossing Tack Co. List:
Wire Brads.....80%
Wire Nails.....80%
FIXTURE—
Brass Head, Combination list, 60& 10%
Brass Head, Sargent's list, 70&10@ 70&10&5%
Niles' Patent.....40%
Porcelain Head, Comb'n list, 40&10%
Porcelain Head, Sargent's list, 60& 10%
FURNITURE—
Antique Bronze.....10%
China.....25%
Fire Gilt.....10%
Plain.....40%

Nail Pullers—
Black Hawk, per doz.....$9.00
Giant, No. 1, ₩ doz $18.00; No. 1½, $16.50; No. 2, $15.00.....30&5%
Lightning.....₩ doz $18.00, 20%
National.....40%
Pelican.....₩ doz $9.00, 15&10%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—
Buck Bros.....27½%
Cannon's Diam'd Point ₩ gr.$12, 25%
Dunlap's.....20%
Humason's.....50&10%
Hunters' Cup Point Knurled.....₩ gro. $10.00
Hunters' Cup Point, Plain.....₩ gro. $9.00
Round, assorted.....₩ gr. $3.00@3.25
Square.....₩ gr. $4.00@$4.25

Nippers—
Acme.....50%
Smith's Cutting.....50%
Todd's Cutting.....50%

Nut Crackers—
Acme, Japanned, ₩ gross $30.00..40%
Turner & Seymour Mfg. Co.....50%

Nuts—
Cold Punched, Square, off list. $5 40
Hex, off list.....$5.70
Hot Pressed, Square, off list..$5.90
Hex, off list.....$6.70
Tapped.....50%

Oilers—
Brass and Copper.....50&10%
Cushman & Denison's:
Pocket Oilers.....₩ doz. $1.55
Star Pocket Oilers..... .75
Draper's:
Brass.....70&10%
Steel.....70&10%
Malleable, Hammers, New Style, 10@10&5%
Malleable, Hammers, Old Pattern, same list.....50&10%
"Paragon," Brass.....50&10@60%
"Paragon," Zinc.....70@70&10%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....75%
Zinc and Tin.....70&10@75%

Oil Stones, etc.—
OIL STONES—
Pikes Washita:
Lily White, ₩ ℔.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔..... .50
No. 1..... .40
No. 2..... .30
Pike's Washita Round Edge Slips: 3 to 5x1¼ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔..... .70
Discount 33⅓%.
Pike's Washita Mounted No. 1:
3x3, ₩ doz.....$12.00
7x2, " 11.00
6x3, " 10.00
5x3, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ ℔..... .24
" 2x2x½, extra selected.. .40
Discount 33⅓%.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanising, per ℔ 70c.....40%
Boston "Phoenix" Red Sheet, per ℔.....50c.net
Extra.....60&5@60&10&5%
Standard, Fair Quality.. 70&10@75%
MISCELLANEOUS—
American Packing.....9c@10c ₩ ℔
Cotton Packing.....14c@15c ₩ ℔
Italian Packing.....13c@14c ₩ ℔
Jute.....8c@7c ₩ ℔
Russian Packing.....13c@14c ₩ ℔

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Gold Medal.....₩ doz 4.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ ds..$37@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Oriole.....₩ doz 4.00
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Reading, 73.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Rocking Table.....₩ doz 5.50
Scott's Pat. Rotary, ₩ doz $15.00, 20%
Turntable.....₩ doz 4.50
Victor.....₩ doz 13.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
POTATO—
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50
White Mountain.....₩ doz $4.50

Pencils—
Dixon's:
Carpenters'.....₩ gr. $4.00@7.50
Carpenter, Yellow or Brown Lead.....₩ gro. 9.00
Lead.....₩ gro $4.50
Lumber.....₩ gro. 6.87
Mascot, Hexagon.....₩ gro. 4.38
Mascot, Round.....₩ gro. 3.10

Picks—
Railroad or Adze Eye, 5 to 6, $13.00; 6 to 7, $12.00.....70&10@75%

Planes and Plane Irons—
WOOD PLANES—
Bailey's (Stanley R. & L. Co.) 50&10@50&10&10%
Bench, First Quality.....5%
Bench, Second Quality....60@60&10%
Fales Bench.....25%
C. E. Jennings & Co.....50&10%
Molding.....50%
IRON PLANES—
Chaplin's Iron Planes.....50&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting.....25%
C. E. Jennings & Co.'s Iron.....5% &10%
Meriden Mal. Iron Co.'s..40@40&10%
Sargent's.....60@60&10%
Siegley's:
Bench.....40%
Combination, each.....$4.50 net
Standard Tool Co.....50@50&5%
Stanley Rule & Level Co.:
Bailey's..50&10&10@50&10&10&5%
Miscellaneous.....25&10%
Steer's Iron Planes..50&10@50&10&5
PLANE IRONS—
Auburn "Thistle"..... } 50&10@40%
Ohio..... }
Sandusky..... }
Buck Bros.....30%
Butcher's.....$5.00@$5.25 to $
Hinsdale.....25&10%
C. E. Jennings & Co.....25&10%
Stanley Rule & Level Co.....50&10%
L. & I. J. White.....30&5@25%

Pliers and Nippers—
Button's.....70&10@70&10&5%
Carew's Pat. Wire Cutters.....25%
Cronk's:
Button Pattern.....70%
Gas Pliers, No. 100.....40%
Stubb's Pat. Pliers.....50%
Hall's Nippers, ₩ doz., No. 2, 5 in. $13.50; No. 4, 7 in. $21.00....40&10%
Hall's Pliers.....70%
Humason & Beckley Mfg. Co.50@50 &10%
Wm. Johnson's Gas Pliers.....66⅔%
Morrill's Parallel, ₩ doz $13.00 30&5%
Smith's Side Cutting.....25%
Stubs'.....20%
Swiss Pliers.....25%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%

Plumbs and Levels—
Cook's.....40&10&10%
Davis':
Inclinometers.....20%
Iron Levels.....25&10%
Disston's.....50%
Wm. Johnson's.....75%
Plumb Bobs.....40%
Pocket Levels.....70&10&10@75&10%
Stanley's.....75&10&10%
Stanley's Duplex.....25&10%
Wood's Extension Sight.....33⅓%

Poachers—
See Egg Poachers.

Police Goods—
J. P. Lovell's Police Goods.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
Tower & Lyon's.....25%

Polish, Metal—
Prestoline Liquid, New List.....40%
Prestoline Paste.....33⅓@40%

Polish, Stove—
Dixon's Plumbago.....₩ ℔ 8c
Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75

Poppers, Corn—
Round or square,
1 qt., ₩ doz. $ .75; ₩ gr. $6.50 } 10@
1½ qt. ₩ doz. $ .85; ₩ gr. $8.00 } 15%
2 qt., ₩ doz. $1.15; ₩ gr. $12.00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3.00; 2 qt., $4.00.....33⅓%

Post Hole Diggers—
Ryan's.....₩ doz., $20.00, 25%

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Cronk's Pruning Shears.....33⅓%
Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 35@35&10%
Disston's Pruning Hook.....₩ doz $13.00, 35@35&10%
Dunlap's Saw and Chisel.....₩ doz $3.50, 30%
Henry's Pruning Shears ₩ doz $3.50@$3.75
E. S. Lee & Co.'s Pruning Tools.40%.
P. S. & W. Co.'s Shears.....60%
Pruning Shears, Henry's Pat. ₩ doz.....$3.50@3.75
Waters Tree Pruners.....75&10%
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 35&10%

Pulleys
Awning.....60@60&10%
Axle.....60&10@60&10&10%
Brass Screw.....66⅔@70%
Ceiling.....50@10&60%
Clothes Line, Japanned..60@60&10%
Common Sense.....60%
Dumb Waiter.....60@60&10%
Empire Sash Pulley.....60%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%
Hot House.....50&10@50&10&10%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%
Side, Anti-Friction.....50%
Shade Rack.....45%
Upright.....50&10@50&10&10%

Pumps—
Cistern, Best grades..65&10@70&10%
Pitcher Spout, Best grades 75&10@80%
Pitcher Spout, Cheaper Goods. 30&5@30&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 3, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig. 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14, Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 33, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 333, 3½ in. Shallow Well Pump.....$17.00
No. 70, Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig. 333, 3 in. Deep Well Pump.....$15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 103, Fig. 448, 3 in. Lift Pump.....$10.00
No. 108, Fig. 448, 3½ in. Lift Pump.....$13.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 403, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 403, Regulator Pump.....$30.00
No. 260 Fig. 494, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 572, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 330, Fig. 492, Bucket Spray Pump.....$5.50
No. 331, Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Bemis & Call Co.'s:
Cast Steel Drive.....50@5%
Cheek.....55%
Spring.....50&5%
Springfield Socket.....65%
Morrill's Universal.....35%
Niagara Hollow.....45%
Niagara Solid.....5%
Rand's Centering Marking Tool..25%
Rice's Hand.....15%
Saddlers' or Drive, good ₩ doz..60@65%
Spring, good quality, ₩ doz $1.70@1.80
Spring, Leach's Pat.....15%
Tinners' Solid, P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow, P. S & W. Co 20&5%

Rail—
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.85 2.80
Barn Door, "None Better" No. 1, ₩ foot.....2¾c
Barn Door, "None Better" No. 2, ₩ foot.....3¼c
B. D. for N. E. Hangers:
Small Med. Large
Per 100 feet..$1.60 2.00 2.50
Carrier Steel Rail, ₩ foot.....4½c
Cronk's:
Competition.....₩ foot, 2¼c
Common.....₩ foot, 2¼c
Double Braced.....₩ foot, 2¾c
Lanes' O. N. T.....₩ 100 ft. $2.40
Moore's Wrought Steel.....35%
Sliding Door, Bronzed Wr't Iron. ₩ ft. 3½c
Sliding Door, Iron, Painted....₩ ft 2c
Sliding Door, Wr't Brass, 1¼ in. ₩ ℔, 36c.....80&10@40&5%
Terry's Steel Rail, ₩ foot.....3½c
Victor Track Rail, 7c ₩ foot. 60&10&2½%

Rakes—
Cast Steel, Association goods.75&15%
Fort Madison Red Head Lawn, $3.25
Ft. Madison Blue Head Lawn, $3.00
Gibbs':
Acme.....net ₩ doz. $4.00
Boss, Garden, 14 teeth, net ₩ doz. $3.60
Boss, Garden, 18 teeth, net ₩ doz. $3.75
Canton Lawn Rake...₩ doz. $3.50
Crown Lawn, No. 1....₩ doz. $3.50
Hustler, No. 0.....₩ doz. $3.50
Lawn Rake.....₩ doz. $4.75
Malleable.....70&10@75%
Oneida Lawn.....doz. $6.00
Peerless Socket and Shank..75&15%
Prize Bow-Brace.....75&15%
Queen City.....33⅓%

Razors—
Electric.....List net
J. R. Torrey Razor Co.....30%
Westenholm and Butcher, $10.00 to $.....10%

Registers—
HOT AIR—
Ferrosteel, Japanned.....80&10%
Ferrosteel, Nickelplated.....75&10%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
American Screw Co.:
Bay State Rivets.....75&5%
Burrs.....75%
Soft Steel.....80%
Copper.....60&10&5@60&10&10%
Norway, list Feb. 26, '96.....70%

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Rivet Sets—

Regular list.....70@70&10%

Rollers—

Barn Door, Sargent's list..60&10&10@70%

Cronk's:
Acme Barn Door.....50%
Adjustable Stay..@ dos. $1.00 net
Screw Stay.....@ doz. 60c net

Rope

Cotton Rope, Best, ¼ in. and larger.....@ lb 14½@15c
Medium, ¼ in. and larger.....@ lb 12 @13c
Common, ¼ in. and larger.....@ lb 9½@10c
Jute Rope.....@ lb 5½c
Manila:
7-16 in. and larger..@ lb 6½@6½c
½ in.....@ lb 6¾@7 c
⅜ and 5-16 in.....@ lb 7¼@7½c
Hay Rope, Med.....@ lb 6½@6¾c
Sisal, ½ in.....@ lb 5½c
⅜ and 5-16 in.....@ lb 5¾c
7-16 in. & larger.....@ lb 4¾c
Med. L'th Y'rn.....@ lb 4¼c
Hay Rope.....@ lb 4½c

Rules—

Athol, Steel.....33⅓%
Boxwood..30&10&10&10@30&10&10 &10&10%
Ivory.....50&10@50&10&10%
Lufkin's:
Steel.....55%
Lumber.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....35&10%

Sad Irons—

Chinese Laundry.....@ lb 4½@5c
Chinese Sad.....3¼@3½c
Colebrookdale Iron Co.:
Crown, Improved Pol, @ doz. $6.50
Nickel.....@ doz. $7.00
Common 4 to 10.....@ lb 2½@2¼c

COLD HANDLED—

Enterprise Mfg. Co. of Pa.:
No. E 50, nickel plated, size 1, 2 or 3, with "best" handles, @ doz.....$7.45
No. E 50, nickel-plated, size 1, 2 or 3 without handles, @ doz. $4.45
No. E 55, plain polished, size 1, 2 or 3, with "best" handles, @ doz.....$7.50
No E 55, plain p lished, size 1, 2 or 3 without handles, @ doz. $4.00
No E 60, nichel-plated, size 1, 2 or 3 with "best" handles, @ doz $8.25
No. E 60, nickel-plated, size 1, 2 or 3 without handles, @ doz. $5.25
No. E 60, nickel-plated, size 4, with "best" handles, @ doz $9.80
No. E 60, nickel-plated, size 4, without handles, @ doz.....$6 80
No. E 65, plain polish d. size 1, 2 or 3, with "best" handles, @ doz.....$7.75
No. E 65, plain polished, size 1, 2 or 3 without handles, @ doz. $4.75
No. E 65, plain polished, size 4, with "best" handles.....$8.80
No. E 65, plain polished, size 4, without handles.....$5.80
The "Best" Handles, with Forged Iron Stretchers, @ doz.....$3.00
Self-heating.....@ doz $10.00, 20%
Self-heating, Tailors' @ doz $33.50, 25%
Sensib'e Nickel.....@ doz. $7.00
Sensible Pol.....@ doz $6.50
Sensible, Tailors'.....@ lb 3@3½c

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Emery Cloth.....50&10@60%
Garnet Paper.....30@[illegible]%
Sand and Emery Paper.50&10@40%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%

Sash Cord—

Cable Laid Italian Sash.....@ lb 16c
Cable Laid Russia....@ lb 13½@14c
Common.....@ lb 8½@9c
Common Russia Sash.@ lb 12½@13c
India Hemp Sash.....@ lb 9½@10c
Jute, good quality.....@ lb 11c
Samson:
"Mass." White, Cotton.....34c
"Samson" Braided White, Cotton.....@ lb 30c
"Samson" Braided Drab, Cotton.....@ lb 35c
"Samson" Braided Italian Hemp.....@ lb 33c
"Samson" Braided Linen,@ lb 56c
Silver Lake:
A Quality, Drab..@ lb 55c. 35@40%
A Quality, White,@ lb 50c. 35@40%
B Quality, Drab,@ lb 35c..... 15@15&7½%
B Quality, White@ lb 30c..... 15@15&7½%
White Cotton Braided,@ lb.31c@33c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts Flush.....70%
Sash Lifts With Lock.....60&10&10%
Sash Rollers.....70%
Shutter Bars.....60&10@70%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%

Sash Locks—

Champion Safety.....70&10&5%
Corbin's Daisy, '95 list.....40@45%
Davis, Bronze, Barnes Mfg. Co...60%
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Ives' Patent....60&10&5@60&10&10%
Payson's Perfect.....70%
Reading.....60&10&10@70%

Sash Weights—

Small lots.....@ ton, $20.00@$21.00
Ton lots at factory.....$18.00@$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....20%
National Specialty Mfg. Co.....20%

Saws—

Atkin's:
Band.....50&10%
Butcher, Pruning and Compass.....40&10%
Circular.....50&10%
Cross Cut.....40&10%
Gang.....50&10%
Hand.....40 &10%
Wood.....40&10%
Disston's:
Circular.....45@50%
Cross Cuts.....40&10%
Gang.....45%
Panel, Hand & Rip.....25%
Haines' Needle Point.....40%
C. E. Jennings & Co.'s:
Butcher.....80%
Hand Panel, Rip and other Saws 25%
Peace:
Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
Richardson:
Circular and Mill.....45&10%
X Cuts.....45&10%
Hand-saws.....25&10%
Star, Butcher.....25%
Woodrough & McParlin Cross Cuts.....45&10%

HACK SAWS AND FRAMES—

Chatillon.....80%
Griffin's:
Complete.....40&10%
Saw Blades.....40&10@50%
Star, Saws and Blades.....25%

Saw Frames—

C. E. Jennings & Co.....30%
Red, Polished and Varnished..@ dos., $1.00@$1.10
Richardson's Wood.....net
White Vermont..@ gro. .$8.50@$9.00

Saw Sets—

Atkin's:
Criterion Saw Sets. @ doz.....$6.00
Excelsior Saw Tools @ dos.....$6.00
Bemis & Call Co.'s:
Cross Cut.....30&5%
Hammer, New Pat.....45%
Plate.....20%
Spring Hammer.....30&5%
Disston's Star.....25@25&10%
Hart's Pat. Lever.....20%
Kohler's:
"Giant Royal".....@ doz. $10.00
"Royal".....@ doz $6.00
Leach's.....33⅓%
Morrill's:
No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Cross-cuts Nos. 3 and 4, $38.00: No. 5, $31.00.....40&20%
Richardson's.....25%
Seymour Smith & Son, Hammer, @ doz.....$4.75
Stillman's @ dos.....$1.00
Taintors Positive...$18.00 @ dos. 60%

Scales—

Chatillon's:
Eureka.....25%
Favorite.....40%
Grocers' Trip Scales.....50%
Family, Turnbull's.....30@30&10%
Hatch:
Counter, No. 171, @ doz. $17.00@ $18.00
Tea, No. 161.....@ doz. $5.75@$6.00
Union Platform Plain...$3.00@$3.10
Striped.....$3.15@$3.25

Scale Beams—

Chatillon's No. 1.....40%
Chatillon's No. 2...60&10@50&10&5%
Scale Beams, List Jan. 12, '93.50&10%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....@ dos., $3.00
Box, 2 Handle....@ dos., $3.00@$4.80
Foot.....55&5@60&5%
Ship Common.....@ dos., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60@60&5%
Extension.....50&10&5%
Flyer.....50&10&5%
Perfection Screens.....60@60&5%
Window Screen Frames.....60&5%
Stearns':
Frames and Corners....25@25&10%
Gem Window Screen Frames, 25&10%
Monarch Adjustable Window Screens.....50%

Screen Doors—

Phillips:
Empire Fancy.....30&35%
Fancy Pine.....15%
Painted.....50&5%
Stained.....50&10%
Standard Oil.....35&40%

Screw Drivers—

Brace Screw-Drivers.....25&10&5%
Buck Bros.....30%
Screw-Drivers Bits.....27½%
Champion.....40&10%
Disston's.....5 @50&10
Pat. Excelsior.....5 &5%
Ellrich's Socket and Ratchet.40&10%
Fray's Hol. Hdle. Sets, No. 3, $12.50%
Howard-Allard.....50&10&10%
C. E. Jennings & Co.....40&10%
Jennings & Griffin.....65&10%
Wm. Johnson's:
1.5 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20 and 40.....50@50&10%
Screw-Driver Bits....@ dos., 50@75c
Screw-Driver Bits, Parr's@ gro.$6.25
N. E. Specialty Co.'s.....50&10%
Stanley R. & L. Co.'s:
No. 61, Varnished Handles.70&10%
No. 66.....75&10%
Tower & Lyon:
Champion.....33⅓%
"Handy" Ratchet.....35%
Williamson's:
Beauty, @ dos.....$1.00 } 40%
Gem, @ dos.....90c }
C.T. Williamson Wire Novelty Co.40%

Screws—

WOOD SCREWS—

Brass, Flat Head.....90%
Brass, Round Head.....85%
Bronze, Flat Head.....87½%
Bronze, Round Head.....85%
Copper, Flat Head.....65%
Copper, Round Head.....60%
Drive Screws.....90%
Iron, Bright Flat Head.....9 %
Iron, Br't R'd & Oval Head.....85%
Iron, Forged Flat Head.....90%
Nickel Plated, Flat Head.....80%
Nickel Plated, Round Head....77½%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....60%

MACHINE—

Brass, Flat Head.....45%
Brass, Round Head.....40%
Iron, Flat Head.....45%
Iron, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron, @ dos., 1 in., $2.75; 1¼, $3.00; 1¾, $3.50
Bench, Wood, Beech.@ doz $2.00@2.10
Chair.....60&10%
Coach.....82½%
Hand Rail Am. Screw Co.....82½%
Hand Rail, H. & B. Mfg. Co.....80%
Hand Rail, Sargent's.....70@70&10%
Hand, Wood.....30&10@40%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W..40@40&10%
Jack Screws, Sargent's.....75%
Jack Screws, Stearns'.....40&10%
Lag Blunt Point, list Jan. 1, 1890. 75&2@80&10%
Piano Stool.....60&10%

Scroll Saws—

Barnes' No. 1, $8; No. 6, $10; No. 7 $15.....25%
Barnes Scroll Saw Blades.....40%
Cricket.....10&10%
C. E. Jennings & Co.....20%
Lester, complete, $10.00.....1'&10%
Rogers, complete, $4.00.....15&10%

Scythes—

Grain.....50&10%
Grass.....50&10%
Scythe Snaths.....50&10@50&10&5%

Seeders—

Raisin, Enterprise.....25%

Shaft Couplings—

Bradley's:
Buggy, No. 8, @ Set.....$2.25
Surrey, No. 9, @ Set.....$2.60

Shears—

Acme (Cast).....40@40&5%
Ætna, Steel Japanned.....40&10%
Ætna, Steel Nickeled.....70&10%
Barnard's Lamp Trim'rs.@ dos.$3.75
Clauss:
Nickel.....60%
Japanned.....70%
Davenport Cutlery Co.'s...60@60&10
Heinisch's:
St. Trimmers, etc...60&10&10@70%
Tailor's Shears.....30&10@40%
Pruning. See Pr'ning H'ks & Shears.
Seymour's List, Dec., 1881. 60&10@60&10&10%
Wiss & Sons:
Japanned.....70%
Nickeled.....60%
Tailors' Shears.....60&10%
Tin Snips.....45%

Sheaves—

SLIDING DOOR—

Corbin's list.....60&10&5%
Hatfield's Pattern.....70&10@80%
M.W. Co., list July, 1892.80&10@80&5%
Moore's Anti-Friction.....80%
Patent Roller.....80&10@60&10&5%
R. & E., list August 15, 1893. 60&10@60&10&5%
Russell's Anti-Friction, list Dec. 18, 1895.....60&5%

SLIDING SHUTTER—

Reading list.....60%
R. & E. Mfg. Co.'s.....60@60&10%
Sargent's list.....60@60&10%

Shoes, Horse, Mule, &c.—

HORSE—

Bryden's Frog Pressure.....$4.00
Burden's, Perkins', Phœnix and Bryden's, from jobb'rs..$3.15@$3.40
Perkins Steel Side Weight Hind $3.15@$3 40
Perkins Improved Snow.....@ lb 4c

MULE—

Add 50c @ keg to above prices.

OX, WROUGHT—

Ton lots.....@ lb 3c
1000 lb lots.....@ lb 3½c
500 lb lots.....@ lb 10c

Shot—

See Ammunition.

Shovels and Spades—

O. Ames & Sons:
O.S. Edge.....6@7½%
Pat. Cast Steel.....7½@10%
Blair's Cast Steel.....5%
Bouve's Steel.....10%
Carter's Cast Steel.....5%
Sanderson's Cast Steel.....5%
Stone's Cast Steel.....5%
H. M. Myers and other manufacturers are now selling at Association discounts.

Shovels and Tongs—

Brass Head.....60&10@60&10&10%
Iron Head.....60&10@60&10&10%

Sifters, Flour—

Hunters' Genuine, @ gross, $10@11.50

Skate Sharpeners—

Eureka...@ doz. $1.75; @ gro. $18.00

Slaw Cutters—

Enterprise.....35%
Enterprise Mfg. Co.....30%
Tucker & Dorsey:
1 Knife.....@ gro. $15.00@$18.00
2 Knives.....@ gro. $90.0 @127.00
Kraut Cutters.....50@60&10%
Woodrough & McParlin.....40%

Slicers—

Vegetable, Enterprise.....35%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Cockeyes.....70&10%
Covert Mfg. Co.....40&20&5%
German, new list .40&10@40&10&10%
Fitch's (Bristol).....80%
Sargent's:
Patent Guarded.....70&10&10%
Covered Spring.....60&10%
Open Spring.....70@70&10%

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Covert Mfg. Co:
Breast Strap Buckle Snaps
Breast Strap Protector....
Double for Bits or Trace Carrier.....
Loop Eye.....
Loop Eye, Swivel.....
Open Eye.....
Round Eye.....
Round Eye, Swivel.....
45&2% @50%
Covert Saddlery Works:
Banner.....60&20%
Triumph.....60&20%

Spoke Shaves—

Bailey's (Stanley R. & L. Co.) 50&10%
Iron.....₩ doz. 50&10%
Millers Falls.....15&10%
Seymour Smith & Sons, Iron.....20%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%
Wood.....₩ doz. 25&10%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10@80%
B. B. Noyes Meat Forks..50&10@80%
Buffalo S. S. & Co.....33⅓&2%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Holmes & Edwards Silver Co..60%
L. Boardman & Son.....Catalogue "B"—net List
Meriden Brit. Co. Rogers Bros.40&15%
C. Rogers & Bros.....40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....60%
Simpson, Hall, Miller & Co.....60&5%

MISCELLANEOUS—

Boardman's:
Britannia Spoons, Catalogue "B".....net List.
Nickel Silver, Catalogue "B" net List
Britannia.....60&10%
German Silver.....60&10%
German Silver, Hall & Elton..60& 5% cash
Wm. Rogers Mfg. Co.:
1847 Rogers' German Silver...60&5%
1881 Rogers' Nickel Silver....60&5%
Rogers' Silver Metal.....60&10&5%

Springs—

See Door Springs.

Squares—

Disston Try Square and T Bevels, 60&10%
Starrett's Micrometer Caliper Squares.....25%
Try Square and T Bevels.60&10&5 @60&10&10%
Winterbottom's Try & Mitre.50&10%
Nickel-Plated..
Steel and Iron..
75&10@75&1 &10%

Stair Rods—

Black Walnut.....60%
Brass, Oval or Hollow.....50%

Staples—

Barbed Blind—⅛, ⅝, and ¾ inch, ₩ lb.....6c@6½c
Grand Crossing Tack Co. List: 75&10%

Stocks and Dies—

BLACKSMITH'S—

Butterfield's Goods.....35@40%
Gardner.....33⅓&10%
Lightning Screw Plate.....25%
Reece's New Screw Plates.....25@30%
Waterford Goods.....35@40%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stove.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March 25, '95. 2% cash. Market irregular and lower prices on some lines.
American Cut Tacks.....60&10%
Carpet Tacks:
American, Blued....90&10@90&20%
American, Tinned...90&2.@90&25%
Leathered.....60%
Steel.....90&20%
Swedes, Lanc.....85&10%
Swedes, S. S.....90&25%
Swedes Iron Tacks:
Lanc.....85&10%
S. S.....90&10&5%
Basket Tacks.....75&10%
Basket Nails.....80%
Bill Posters' and Railroad Tacks:
S. S.....90%
Brush Tacks and Nails.....75&15%
Chair Nails.....80%
Cigar Box Nails.....75%
Common and Patent Brads.....80%
Finishing Nails.....75%
Gimp Tacks:
Lanc.....80&20%
S. S.....90&15%
Hungarian Nails.....85&10&5%
Lace Tacks.....
Lanc.....80&20%
Looking Glass Tacks.....70%
Picture Frame Points.....70%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Trunk and Clout Nails:
Black.....80&5%
Tinned.....80&10&5%
Upholsterers' Tacks:
Lanc.....80&20%
S. S.....90&10%

MISCELLANEOUS—

Bill Nye Brad Box.....₩ box $4.00
Bill Nye, Jr., Brad Box..₩ box $2.00
Bonnie Blue.....₩ box $1.50
Can Opener Carpet Tacks.₩ gr $4.00
Dble. Point.90&10&10&10&10&10&10%
Hammer Carpet Tacks...₩ gr. $4.50
Miniature Keg Tacks..66⅔&33⅓&10&10&2%
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓&10&2%

Tack Pullers—

Columbia, No. 1, per doz., net.....$1
" " 2, " " ..1.50
Little Jack.....₩ doz. $1.00

Tapes, Measuring—

American.....40&10@50%
Chestermans.....30@3 &5%
Keuffel & Esser Co 25%
Lufkin's Steel and metallic.....40%

Taps—

American Screw Co.
Machine Screw.....70%
Blacksmiths' Taper.....50&10@60%
Hand and Machine.....50&10@60%
Pipe.....80%

Telephones—

Union Electric Co.:
Letter A, Complete....each, $10.00
Letter B, for Warehouse..each, $8.50
F. o. b. cars Cleveland.

Tin, Perforated

Harrington & King Perforating Co.:
IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.50	$1.55
2	$9.00	$1.55
3	$8.25	$1.35
4	$7.75	$1.30
5	$7.50	$1.30
5½	$7.25	$1.30
6	$7.00	$1.15
7	$7.00	$1.10
8	$6.75	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).30&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Planed, list Jan. 20, 1897.....70&10@70&2%

Tobacco Cutters—

National Specialty Co.....30&5%

Trammel Points—

Backus and Union.....40%
C. E. Jennings & Co., "Eureka".25%
Cook's.....25%
Sargent's.....70&10@70&10&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Prentiss'.....30@35%

Tracks, &c.—

F. E. Myers & Bro.:
Comb. Car., Double Steel T...$3.50
Comb. Car., Wood Track....$3.25
Common 6 in. Wood Sheave Pulley, Fig. 433, ₩ doz.....$1.65
D. H. Fork, Steel Regular, e'ch .75
Double Grapple Fork, each...$3.25
Double Rail Steel Track complete with clamps, ₩ ft..... .09
Faultless Steel Frame K. P Pulley, Fig. 435, ₩ doz.....$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz.$1.75
Floor Hooks, ¾ in. ₩ doz. .65
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$2.00
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in , ₩ doz..... .55
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz.$2.00
Malleable Rafter Brackets, ₩ doz..... .45
Nellis Fork, each.....$1.50
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
New Myers Iron Rod Car.....$2.75
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz.. .....$2.25
Rev. Car., Double Steel Track $3.50
Rev. Car., Wood Track.....$3.25
Rope Hitch. ₩ doz.....$1.75
Single rail Car, Single Steel T.$3.50
Single Rail Steel Track with clamps, ₩ ft..... .09
Sprouts Shear Fork, each....$1.40
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1 50
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Walker Fork, each.....$1.15
Wrought Rafter Brackets, ₩ doz..... .45

Transom Lifters—

Ajax.....50&10@50&10&5%
Bronze Metal, with Safety Spg. 5 @ 0&10%
Crescent.....7 @7 &10%
Dicksons.....60%
Nickel Plated.....50&10%
Payson's Solid Grip, Nos. 3 3 and 304.....₩ 100, $12.00
Shaw's:
Copper Finished.....3 &10%
Lever.....70@70&10%

Traps—

GAME—

Blake's Patent.....60@60&10%
Enterprise Mole.....15%
Newhouse.....40&10@50&5%
Oneida Pattern.....75&5@75&10%

MOUSE AND RAT—

Enterprise Mfg. Co., Mole.....15%
Rat.....40@40&10%
Household.....₩ gr $10.00
Hotchkiss:
Metallic Mouse.....₩ doz. 65c
Improved Rat.....₩ gross, $12.50
New Rat.....₩ gross, $12.50
Mouse, Bonanza....₩ doz 90c@$1.00
Mouse, Catch-'em-Alive ₩ d z $2.50,15%
Mouse, Delusion.....40%
Mouse, Ideal.....₩ gr $9.00
Mouse, Round Wire, ₩ doz $1.50, 10%
Mouse, Wood, Choker, ₩ doz holes 10c@9c
Schuyler Rat Killer, No. 1 ₩ gro., $15.50; No. 2 ₩ gro., $15.00
Smith & Egge Mfg. Co:
Superior Rat Trap, ₩ doz....$15.00
Yankee Mouse Trap, ₩ doz.. $5.50
Yankee Rat Trap, ₩ doz.....$11.00

FLY-

Balloon, ₩ doz $1.25.....₩ gr. $12.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ doz., $1.25; ₩ gr. $13.50
Harper....₩ doz., $1.75; ₩ gr. $16.50

Trowels—

Brade's Brick.....35@33⅓%
Disston's:
Brick.....3 %
Plastering.....25%
Pointing.....30%
C. E. Jennings & Co.:
Brick.....30%
Plastering.....25%
Pointing.....30%
Wm. Johnson's:
Brick.....40%
Plastering.....40%
Pointing.....40%
W. & M. P. Plastering....35@35&10%
Peace's Plastering.....25@25&5%
Richardson.....25@25&10%
"Rose" Brick Plastering and Moulders.....30@30& 10%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vegetable Slicers—

Enterprise Mfg. Co.....25%

Vises—

Solid Box.....50&10@60%

PARALLEL—

Alligator.....30%
Armstrong's:
Combination.....50%
Plain and Hinge.....60%
Athol, Oval Slide.....60&10%
Bonney's Champion.....45@45&10%
Fisher & Norris Double Screw15&10%
Holland's.....40@40&10%
Howard's.....40&10%
Little Giant Bench.....25&10&5%
Lowell Hand.....33⅓%
Massey's Quick Action.....20@25%
Merrill's.....20&15%
Millers Falls, Mechanics'...net@10%
Moore's.....20%
Parker's.....20@25%
Oval Slide.....50&10%
Victor.....30%
Prentiss.....20@25%
Sargents.....70&10%
Simpson's Adjustable.....50%
Stephens'.....20@30%
Trenton.....40&5@40&10%
Wilson'.....55%

SAW FILERS—

Bonney's Nos. 2 & 3, $15,00.....60%
Stearn's Com., No. 0, 1, 2, and 3..50%
Stearn's Rubber Jaw, Nos. 10 and 33.....33⅓%
Wentworth's.....35%

Wads—

See Ammunition.

Wagon Jacks—

Covert's Saddlery Works:
Victor.....60&20%
Daisy.....60&20%
Lane's Steel 30%

Washer Cutters—

Otis A. Smith's.....20&10&10%

Weather Strips—

Church's:
Axtell, Lacquered, 36 in. ₩ doz. $5.00
Axtell, Lacquered, 42 in. ₩ doz. $7.00
Axtell, Pol. Brass, 36 in. ₩ doz. $12.00
Axtell, Pol. Brass, 42 in. ₩ doz. $15.00

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $1.50@$12.00
American Whip Co.: List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft. $10.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
Americus, 93 Pen Whip. 6 ft., $6.00
Bull Bone, Half-l'gth Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
Eureka, Two-thirds Whalebone 5½ ft., $15.00; 6 ft., $16.50 6½ ft. $18.00; 7 ft., $20.00.
Gents' Light Driving, No. 111, 6 ft.....$3.00
Gents' Light Driving, No. 106, 6 ft.....$5.0
Hand-Made Stocked Java, No. 103.....5½ ft., $3.75; 6 ft., $4.0
Hardware Assortment 10 | American, 75 Whips for.....$50.00
New Name, Stocked Java, Black and Wine Colors.....6 ft., $6.00
Team Whips....₩ doz $2.0 @$7.50
True Grip, Raw Hide Center, 4½ ft. $6.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.

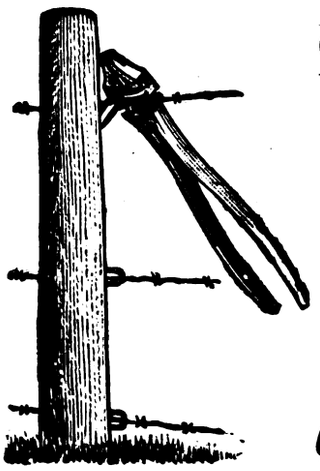
Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....35&10%

Wire and Wire Goods—

Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Brass Wire.....35%
Bright Wire Goods, Standard list 85&10@85&10& 5%
Cast Steel Wire.....50%
Copper Wire.....45%
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&10%
Malin's Brass and Copper on Spools.....50&10%
Market Wire:
Brt. & Ann., Nos. 0 to 18..80@80&10%
Cop'd, Nos. 0 to 18, 75&10@75&10&5%
Galv., Nos. 0 to 18.75&10@75&10&5%
Tin'd, Tinned list Nos. 0 to 18.... 75&10@75&10&5%
Picture Wire.....New list 85&10%
Steel Music Wire, Nos. 12 to 30, Imported, ₩ lb.....60@70c
Stub's Steel Wire.....$6.00 to $ 30%
Tate's Spooled Wire:
Annealed and Tinned.....60&10%
Copper and Brass.....50&10%
Tate's Wire Picture Cord Braided and Twisted.....85@10&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ lb.....4½c
Wire Clothes Lines, see Lines.

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CRONK'S

Combination Fencing Plier.

This newly invented fencing tool is needed by all people that build or have occasion to remove or repair wire fence, as it is made with two staple pullers, two hammers and two button cutters. They are the same heft as the 1½ Maydole Hammer, and they are made of forged tool steel. No good farmer will be without one. They are warranted to cut No. 8 hard or No. 6 soft wire. Like the celebrated Cronk Plier they are fully warranted in all respects. No. 12, 11 in. long, $12.00. Dis. . . .

CRONK HANGER CO., ELMIRA, N. Y.

Wire Cloth, Netting, &c.—

Brass Cloth.....40@55%
Galvanized Wire Netting..80&10@80&10%
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.10@$1.20
Steel Bolting Wire Cloth.....30@55

Wire Rope—

List.
Cast-steel.....2¼&2½&2½ cash
Iron.....20&2½&2½ cash
Iron, Galvanized..20&2½&2½ cash

Wire Rope Clips—

Crosby.....35%

Wire Stretchers—

W. C. Heller's Grip.....₩ doz $1 50

Wrenches—

Acme:
Bright.....60@60&10%
Heavy.....50%
Nickel.....50&10@60%
Agricultural.....80@80&10%
Aiken's Pocket (Bright)..$2 00@3.20
Alligator.....60@60&10%
Always Ready.....33⅓&5@40%
American Adjustable.....40@40&10%
Armstrong's.....40%
Baxter's.....65@65&10%
Bemis & Call's:
Brigg's Pattern.....80&10%
No. 2 Cylinder or Gas Pipe.....55%
No. 3 Pipe, Bright.....60%
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Boardman's.....30@33⅓%
Champion Carriage.....40%
Cincinnati Tool Co:
Bit.....&10%
Standard Brace.....35
Coes':
Genuine.....40&10&5&5&3%
"Mechanics'".....40&10&10&5&5&3%
Pattern Wrought.....30&10%
Donohue's Engineer.....40&10%
Eagle Pipe.....50&10%
Expert Bicycle.....33⅓&10%
Girard Standard.....65&10@70%
Hall's Pipe.....50%
Hercules.....70&10@75%
Lamson & Sessions':
Engineers'.....60@60&10%
Standard.....70&10%
Lowell:
Leg Screw.....25%
Ratchet.....33⅓%
Socket Bridge.....20%
Stillson Pipe.....45%
Taylor Pipe and Nut.....40%
Trimo Combination.....40%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
J. H. Williams.....25%
Yankee.....45%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co., list May 1, 1894.
Lovell Mfg. Co., list July 2, 1894...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%
Peerless Mfg. Co., list Feb., 1892...2%
NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in barrels..₩ gallon.....80c
Linseed, City, Boiled, in barrels ₩ gallon.....83c
Out of Town on Spot..₩ gal.....80c
Calcutta, Raw, in bbls....₩ gal. 50c
Lard, Prime City.....₩ gal. 40@42c
Western, Prime.....40@41c
Extra, No. 1.....34@38 c
No. 1.....30@32c

Paints and Colors—

Barytes, Foreign, ₩ ton, $15.00@$18.00
Barytes, American Floated, ₩ ton $22.00@$23.00
Barytes, American, No. 1 ₩ ton, $9.00@$10.00
White Lead, American, Dry, in Bbls. ₩ ₤.....4¼@4½c
White Lead, American, in Oil, ₩ ₤.....5¼@5½c
White Lead, Foreign, in Oil, ₩ ₤ 6@7c
Litharge, Kegs, ₩ ₤.....5¼@5½c
Zinc, American, Extra Dry, ₩ ₤ 5¾@6¼c

Putty—

In bbls. and half bbls.....1¾@1¾
Putty in Bladders.....1¾@2
Putty in Tins.....1¾@2¼

Spirits Turpentine—

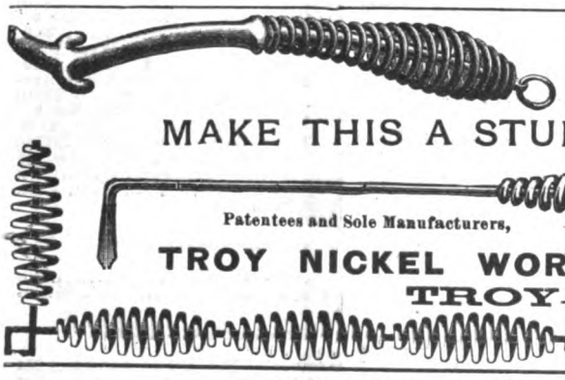
In regular bbls.....27½@ —c
In machine bbls.....27½@ —c

Dry Colors—

Blue, Chinese.....₩ ₤ 37 @40
Blue, Prussian.....₩ ₤ 30 @35
Blue, Ultramarine..₩ ₤ 8 @35
Sienna, American, burnt.....₩ ₤ 1¼@ 1¼c
Sienna, American, raw.....₩ ₤ 1¼@1¼c
Umber, American, burnt.....₩ ₤ 1¼@ 1¼c
Umber, American, raw.....₩ ₤ 1¼@ 1¼c
Green, Chrome, Common.....₩ ₤ 5 @12 c
Green, Paris, in bulk, ₩ ₤ 12 @15 c
Indian Red, American.....₩ ₤ 2 @ 3 c
Indian Red, English.....₩ ₤ 4¼@9

Colors in Oil—

Black Coach Japan ₩ ₤..18¼@20
Black Coach Japan, in Oil.....₩ ₤ 12 @12 c
Black Drop.....₩ ₤ 7 @10 c
Black Lampblack...₩ ₤ 20 @28 c
Black Lampblack, common.....₩ ₤ 7@15 c
Blue, Chinese.....₩ ₤ 35 @40 c
Blue, Prussian.....₩ ₤ 20 @40 c
Blue, Ultramarine..₩ ₤ 12 @18 c
Brown, Sienna burt.₩ ₤ 7 @10 c
Brown, Sienna, raw.₩ ₤ 7 @10 c
Umber, burnt.....₩ ₤ 7 @10 c
Umber raw.....₩ ₤ 7 @10 c
Brown, Vandyke....₩ ₤ 7 @12 c



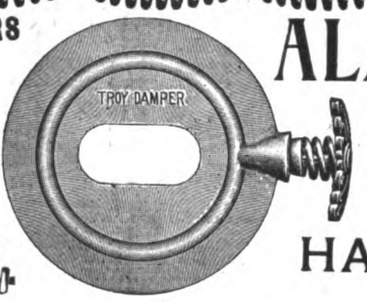
ORIGINATORS

MAKE THIS A STUDY.

Patentees and Sole Manufacturers,

TROY NICKEL WORKS,

TROY, N. Y.



ALASKA STOVE HARDWARE.



STEEL DOOR HANGERS.

WRITE FOR PRICES ON

No. 1 Special and No. 2 Standard.

THEY WILL INTEREST YOU.

Also Track and Stay Rollers.

McKINNEY MFG. CO., - Allegheny, Pa.

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CONDENSED BUSINESS WISDOM.

"THE BEST OF ITS CLASS."

John M. Holladay, Holladay, Va.: HARDWARE is so nicely gotten up, and so well edited, giving such a variety of information, yet costs so little, that I cannot see how any dealer in Hardware can afford to be without it. It is the best paper of its class.

"THE BEST THING OF ITS KIND."

W. L. L. Morrow, Purdy, Mo.: I regard HARDWARE as the very best thing of its kind I have ever seen, and really at the low price of subscription I cannot see why it is not in the hands of every dealer in Hardware.

"WOULD NOT BE WITHOUT IT."

H. M. Seitzinger, Wilkesbarre, Pa.: Enclosed please find my check for $1 for renewal of subscription to HARDWARE. I would not be without your paper nor should any one handling electrical supplies.

"JUST WHAT HAS BEEN WANTED."

W. P. Walter's Son, Philadelphia, Pa.: Enclosed please find $1 for renewal to HARDWARE. We think your paper is just what has been wanted for a long time for the retail Hardware trade.

"WELL PLEASED WITH 'HARDWARE.'"

W. W. Johnston, Bartlett, Ohio: Enclosed find $1 to pay my subscription to your journal. I am well pleased with the paper, and think it would pay all dealers in Hardware to take it.

"LIKES IT."

A. D. Matthews, Liberty, Me.: Enclosed find check for $1 to pay for HARDWARE for another year. The paper I like much.

"WELL WORTH THE MONEY."

A. A. Case, Pittsford, Mich: Enclosed please find $1 to pay for my subscription to your paper. I think it well worth the money.

"ALL WANT TO READ IT."

H. E. Iseman, Prattsville, Mich.: The boys all want to read HARDWARE as soon as it reaches us, and are delighted with it.

"WHAT EVERY MAN WANTS."

C. A. Fisk, Helena, Mont.: HARDWARE is what every man wants, who hopes to gain success in the Hardware business.

"A HELP TO OUR BUSINESS."

N. G. Bickford & Son, Mount Holly, N. J.: Please send us HARDWARE for one year from January 1st. Enclosed you will find the price of subscription. After examining the copy sent us we find the paper will be a help in our business.

"THE BEST OF ALL PAPERS."

S. I. King, Brighton, Mich.: I received a specimen copy of your paper dated October 10th, and I like it best of all the papers I have ever seen, devoted to the retail trade. Enclosed find $1 for which send me HARDWARE one year.

"CANNOT FAIL TO HELP OUR BUSINESS."

J. C. Tanger & Co., Hanover, Pa.: Please find $1 enlosed for one year's subscription. After examining a specimen copy, we think it one of the best, and that it cannot fail to help us in our business.

"WOULD NOT BE WITHOUT IT."

H. D. Wyman, Mt. Dora, Fla.: You will please find enclosed check for one year's subscription to HARDWARE. I think a great deal of your paper, and would not be without it.

"NO JOURNAL ITS EQUAL."

Hendricks & Stall, Thayer, Kan.: While we are doing business a great number of miles from New York, we know of no journal that we consider the equal of your paper.

"MUCH PLEASED WITH IT."

Chas. N. Vittum, Laconia, N. H.: I am pleased to be one of your subscribers, as I am very much pleased with HARDWARE. I think it a very useful and interesting journal.

"WORTH WHAT IT COSTS."

Spence & Co., Keene, N. H.: Enclosed find $1 to pay for HARDWARE for one year. We think it well worth what it costs.

"CANNOT GET ALONG WITHOUT IT."

T. C. Lamson, Elizabethtown, N. Y.: Please find enclosed $1 for HARDWARE for one year. Can't get along without it.

"READS ADS. AND ALL."

Fred. A. Welles, Milwaukee, Wis.: I like your paper first rate, and I read the advertisements as well as the rest.

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Perforated Filter Press Plates.

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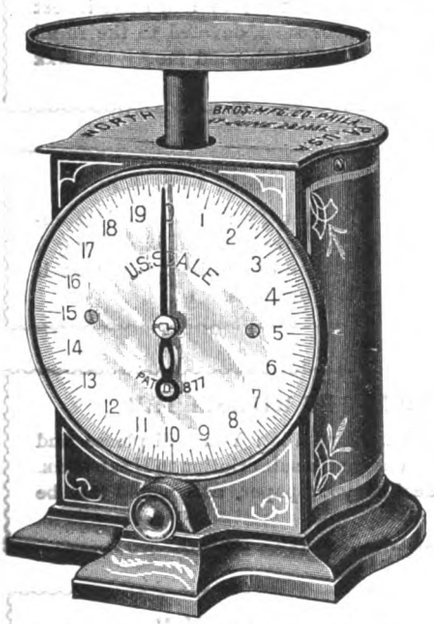
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Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.
North Bros. Mfg. Co., Philadelphia.

Mechanical Rubber Goods.
New York Belting & Packing Co., Ltd., New York.

Metal Ceilings.
Canton Steel Roofing Co., Canton, Ohio.
S. Keighley & Co., Pittsburg, Pa.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
Joseph Dixon Crucible Co., Jersey City, N. J.
John Chatillon & Sons, New York.
Meyers' Puts Pomade Co., Boston.

Milk Cans.
Buhl Stamping Co., Detroit, Mich.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Mirrors, Window.
Bayer & Co., Philadelphia.

Mixers.
Eynon & Sons, Philadelphia.

Model Making.
Schwerdtle & Siebert, Bridgeport, Conn.
T. F. Welch & Co., Boston.

Mops.
Matchless Mop Wringer Co., Canton, Ohio.

Mop Wringers.
Matchless Mop Wringer Co., Canton, Ohio.

Moulds.
A. Adamson, Akron, Ohio.
Schwerdtle & Siebert, Bridgeport, Conn.
J. K. Williams, Akron, Ohio.

Mucilage.
Barnes National Ink Co., New York and Philadelphia.

Nails.
Bruce & Cook, New York.
Fuller Bros. & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
Rockford Tack Co., Rockford, Ill.
Salem Wire Nail Co., Salem, O.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Nail Pullers.
The Scranton & Co., New Haven, Conn.

Nail Sets.
John H. Graham & Co., New York.
Storm Mfg. Co., Newark, N. J.

Nippers.
Charles Morrill, New York.

Office Railings.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cups.
Kendrick Valve & Washer Co., Syracuse, N. Y.

Oilers.
Cushman & Denison, New York.
Tower & Lyon, New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Iron Work.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Ovens.
Monarch Stove Co., Mansfield, O.
Union Heater Supply Co., Detroit, Mich.

Packing.
Gould Packing Co., East Cambridge, Mass.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Canton Steel Roofing Co., Canton, Ohio.
William Connors, Troy, N. Y.
Jos. Dixon Crucible Co., Jersey City, N. J.

Patent Solicitors.
Dyer & Driscoll, New York.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Cutters.
Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Pissoes.
C. E. Jennings & Co., New York.
Stanley Rule & Level Co., New Britain, Conn.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.
Niagara Silver Co., Niagara Falls, N. Y.
Upson & Hart Co., Unionville, Ct.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Pliers.
Cronk Hanger Co., Elmira, N. Y.

Police Equipments.
Tower & Lyon, New York.

Polish.
John Chatillon & Sons, New York.
Joseph Dixon Crucible Co., Jersey City, N. J.
Meyers' Puts Pomade Co., Boston.
J. L. Prescott & Co., New York.

Post Hole Diggers.
John H. Graham & Co., New York.
F. E. Kohler & Co., Canton, Ohio.

Poultry Netting.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago
New Jersey Wire Cloth Co., New York, Trenton, Chicago, an Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.

Power Hammers.
The Scranton & Co., New Haven, Conn.

Power Presses.
Vieillard & Osswald, Brooklyn, N. Y.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Vieillard & Osswald, Brooklyn, N. Y.

Prismatic Sidewalks.
Stewart Iron Works, Cin'nati, O.

Pulleys.
F. E. Myers & Bro., Ashland, Ohio.
Ney Mfg. Co., Canton, Ohio.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Pumps.
Barnes Mfg. Co., Mansfield, Ohio.
Chase Pump & Mfg. Co., Columbus, Ohio.
F. E. Myers & Bro., Ashland, O.
Pittsburgh Pump Co., Pittsburgh Pa.
St. Joseph Pump Mfg. Co., St. Joseph, Mo.
Union Heater Supply Co., Detroit, Mich.

Punches.
F. J. Mattison, New York.
Charles Morrill, New York.

Radiator Deflectors.
Clark Hot Air Deflector Co., Akron, O.
J. Rutherford & Son, Akron, Ohio.

Railings, Brass and Iron.
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E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Stewart Iron Works, Cin'nati, O.

Rails, Barn Door.
McKinney Mfg. Co., Allegheny, Pa.

Raisin Seeders.
Enterprise Mfg. Co., Philadelphia.

Rakes.
John H. Graham & Co., New York.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.

Ravges.
Monarch Stove Co., Mansfield, O.
Taplin, Rice & Co., Akron, Ohio.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
P. J. Conroy & Co., Philadelphia

Reels.
Hartzell Novelty Works, Alliance, Ohio.
King & Knight, Boston.

Repairing Outfits.
Root Bros. Co., Plymouth, Ohio.

Rivets.
Bruce & Cook, New York.

Rollers.
Fulton Machine Co., Canal Fulton, O.

Roller Skates.
Tower & Lyon, New York,
Union Hardware Co., Torrington Conn., and New York.

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Canton Steel Roofing Co., Canton, Ohio.
Berger Bros., Philadelphia.
L. D. Berger, Philadelphia.
Berger Mfg. Co., Canton, O.
Watrous & Co., Troy, N. Y.

Roof Trusses, Iron.
Stewart Iron Works, Cin'nati, O.

Rubber Belting.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rules.
Athol Machine Co. Athol, Mass.
Darling, Brown & Sharpe, Providence, R. I.

Saddles.
Butler & Ward, Newark, N. J.
Sager Mfg. Co., Rochester, N. Y.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
W. & E. T. Fitch Co., New Haven, Conn.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

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E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
C. E. Jennings & Co., New York.
National Saw Co., Newark N. J.
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John Chatillon & Sons, New York

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John Chatillon & Sons, New York.
North Bros. Mfg. Co., Philadelphia.
Pelouze Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.
Wm. T. Wood & Co., Arlington, Mass.

Scrapers, Wheel.
Sidney Steel Scraper Co., Sidney, O.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
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Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co. Georgetown, Conn. New York Chicago.
A. J. Phillips Co., Fenton, Mich.
Sickels & Nutting Co., New York.

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Sickels & Nutting Co., New York.

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Holroyd & Co., Waterford, N. Y.

Screw Drivers.
Tower & Lyon, New York.
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Wrightsville Hdwe. Co., Wrightsville, Pa.

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Sickels & Nutting Co., New York.
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Union Hardware Co., Torrington Conn.

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Skylights.
George Hayes, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

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Ferrosteel Co., Cleveland, Ohio.

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Bruce & Cook, New York.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Speaking Tubes.
Owen Walsh, New York.

Spelter.
Bruce & Cook, New York.

Spoke Shaves.
Stanley Rule & Level Co., New Britain, Conn.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
Dunbar Bros., Bristol, Conn.
Miller & Van Winkle Co., Brooklyn, N. Y.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Stairs, Iron.
Stewart Iron Works, Cin'nati, O

Stamps.
Schwerdtle & Siebert, Bridgeport, Conn.

Staples.
Salem Wire Nail Co., Salem, Ohio
Geo. W. Stanley & Co. Belleville, Ill.

Statuary.
E. T. Barnum, Detroit, Mich.

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Canton Steel Roofing Co., Canton, Ohio.
Finished Steel Co, Youngstown, O.

Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Steel Traps.
Oneida Community, Kenwood, N. Y.

Stencils.
Schwerdtle & Siebert, Bridgeport, Conn.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Indiana Ladder Co., Indiana, Pa.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Holroyd & Co., Waterford, N. Y.

Store Fixtures.
Hartzell Novelty Works, Alliance, Ohio.

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T. W. Houchin, New York.
Monarch Stove Co., Mansfield, O.
Taplin, Rice & Co., Akron, Ohio.

Stove Mittens.
Diamond Hardware Co., Boston.
Paras & Paras, Troy, N. Y.

Stove Polish.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co.' Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Structural Iron Work.
Stewart Iron Works, Cin'nati, O.

Tackle Blocks.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Ney Mfg. Co. Canton, Ohio.
Union Hardware Co., Torrington, Conn

Tacks.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tack Pullers.
Higgins Mfg. Co., Boston.
Knapp & Pratt Mfg. Co., Geneva, Ohio.

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Tape Measures.
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J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Targets.
Cleveland Target Co., Cleveland, Ohio.

Telephones.
Union Electric Co., Cleveland, O.

Tiling.
New York Belting & Packing Co., Ltd, New York.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tires Rubber.
Morgan & Wright, Chicago.
New York Belting & Packing Co., New York.

Toilet Paper.
A. P. W. Paper Co., Albany, N. Y.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Hammacher, Schlemmer & Co. New York.
Th. M. Hass, New York.
Holroyd & Co., Waterford, N. Y.
Harvey Hubbell Bridgeport Ct.
C. E. Jennings & Co., New York.
Standard Tool Co., Cleveland, O.
Stanley Rule & Level Co., New Britain Conn.
Tuck Mfg. Co., Brockton, Mass.
Underhill, Clinch & Co, New York.

Traps.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
John H. Graham & Co., New York.
Oneida Community, Kenwood, N. Y.
Smith & Egge Mfg. Co., Bridgeport, Ct.

Trowels.
Henry Disston & Sons, Philadelphia.
C. F. Jennings & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
National Saw Co., Newark, N. J.

Trucks, Store.
Boston & Lockport Block Co., Lockport, N. Y.
John Chatillon & Sons, New York.
John H. Graham & Co., New York.
Sidney Steel Scraper Co., Sidney, Ohio.

Trucks, Stove.
Barnes Mfg. Co., Mansfield, O.

Tubes, Seamless Drawn.
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Kendrick Valve & Washer Co., Syracuse, N. Y.
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New York Belting & Packing Co., Ltd., New York.

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Curtis & Curtis, Bridgeport, Conn.
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Tower & Lyon, New York.
Van Wagoner & Williams Hardware Co., New York.

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Lane Brothers, Poughkeepsie, N. Y.

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Sprague Umbrella Co., Norwalk, Ohio.

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Kendrick Valve & Washer Co. Syracuse, N. Y.

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E. Imhauser, New York.
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Gilbert & Bennett Mfg. Co., New York and Chicago.

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Estey Wire Works Co., New York.
John H. Graham & Co., New York.
A. J. Phillips Co., Fenton, Mich.
Sickels & Nutting Co., New York.

Window Stop Adjusters.
Taplin Mfg. Co., Forrestville, Ct.

Wire, Manufacturers.
Bruce & Cook, New York.
Dunbar Bros., Bristol, Conn.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago San Francisco.
Salem Wire Nail Co., Salem, Ohio.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton Mass.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
New York Wire Cloth Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Goods Manufacturers.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Fuller Bros. & Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
New York Wire Cloth Co., New York.
T. F. Welch & Co., Boston.
Wright & Colton Wire Cloth Co. Worcester, Mass.

Wire Gates, Fences and Fencing.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Indiana Wire Fence Co., Crawfordsville, Ind.
Stewart Iron Works, Cin'nati, O.
Wright & Colton Wire Cloth Co. Worcester, Mass.

Wire Lathing.
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Gilbert & Bennett Mfg. Co., New York and Chicago.

Wire Nails.
Bruce & Cook, New York.
Salem Wire Nail Co., Salem, Ohio

Wire Work.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wrenches, Manufacturers.
Armstrong Mfg. Co., Bridgeport, Conn.
Coes Wrench Co., Worcester, Mass.
Tower & Lyon, New York.

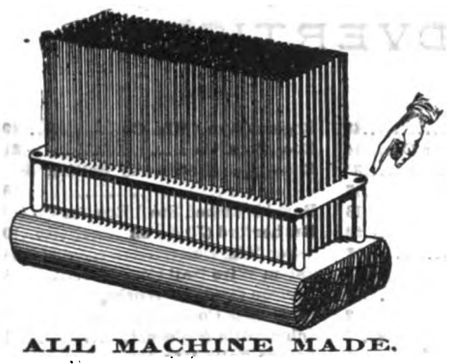
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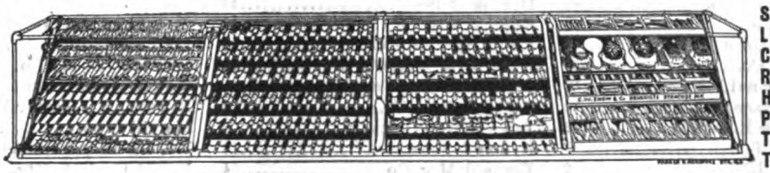
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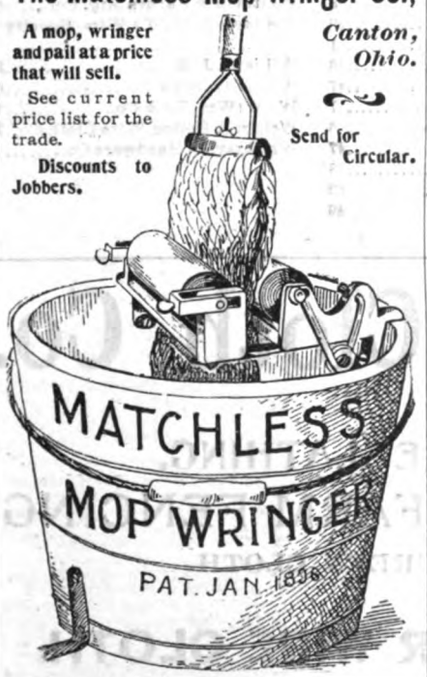
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Burr & Houston Co.....3
Butler & Ward Co.....43
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Canton Steel Roofing Co.....64
Capewell Horse Nail Co.....73
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Chase Pump & Mfg. Co.....51
Chatillon (John) & Sons.....13
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Cleveland Stone Co.....7
Cleveland Target Co.....54
Cleveland Twist Drill Co.....73
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Clinton Wire Cloth Co.....71
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Coates Clipper Mfg. Co.....2
Coes Wrench Co.....9
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Goodell Co.....50
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Sickels & Nutting Co.....71
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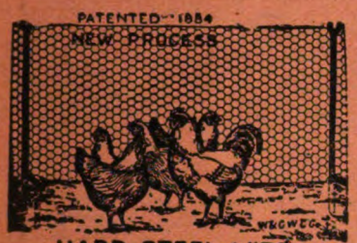
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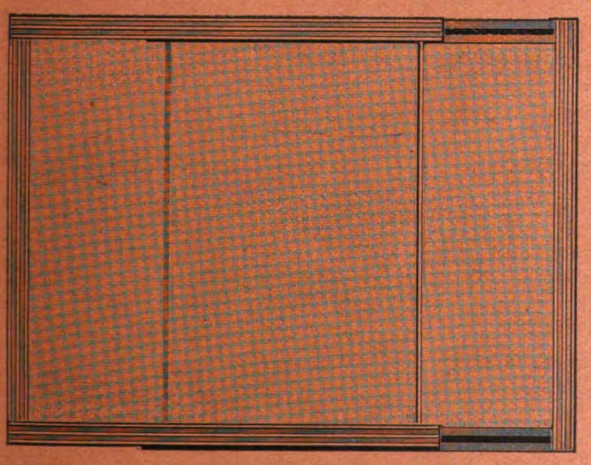
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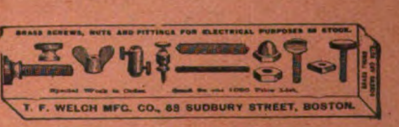
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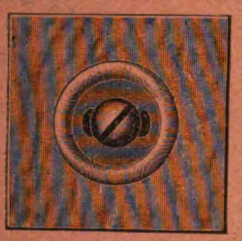
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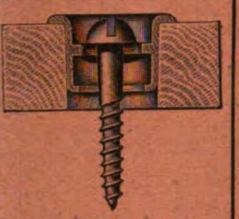
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HARDWARE EXCLUSIVELY

A Review of the American Hardware Market.

Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. XV. No. 7. New York, July 10, 1897. $1.00 A YEAR

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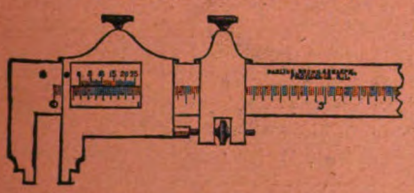
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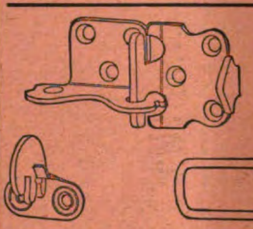
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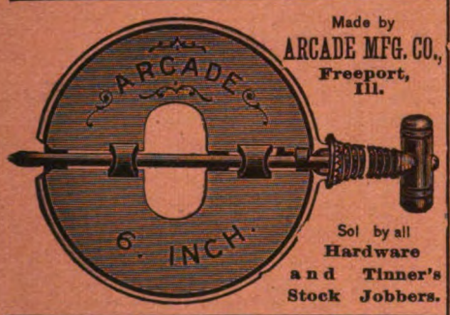
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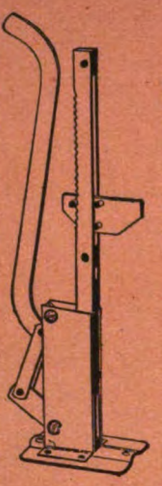
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ABSOLUTELY UNIFORM, IMPERVIOUS TO MOISTURE, OR

Orange Extra Sporting,

IN USE SINCE 1808.

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Mfgrs. of Black and Smokeless Sporting and Military Powders,

New York, Chicago, Buffalo, Baltimore, Nashville, Pittsburg, New Orleans, Denver, Pottsville.



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STEEL WIRE NAILS.

A Large Stock Constantly on hand for Immediate Shipment.

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Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

Du Pont's Eagle Ducking.
Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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"V. G. P." NEW TRAP POWDER. "V. G. P."
A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

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Of a quality to meet requirements of U. S. Army and Navy.

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Send Postal for Illustrated Catalogue.

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Unsurpassed for imparting a brilliant polish to

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It is particularly valuable for

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As it leaves no stains or discolorations. Samples, advertising matter and electrotypes gratis.

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1 "	2 "	"	6.00	"
1 quart can	2 "	"	10 80	"
½ gal.	"		18.00	"
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Order as originally packed and get best discounts.

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The Best Gate,

Latch and Hinge

EVER MADE.

The Years Have Proved Their Value

Their One Fault :

They Won't Wear Out!

Simple, Durable and Cheap. Arranged to work without any spring, on its own Automatic principles. Send for descriptive circular and prices.

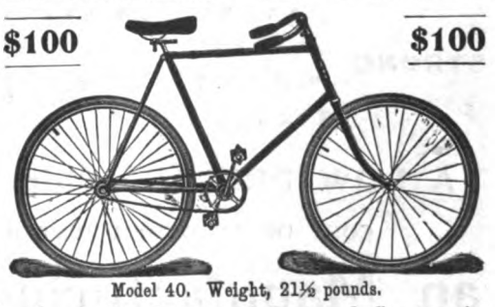
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Model 40. Weight, 21½ pounds.

Leading in Popularity and Improved Construction. Unequalled—Unapproached.

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Retails for $1.00 per case.

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Write for prices and catalogue.

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. . Manufacturers of . .

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PERCUSSION CAPS

OF ALL KINDS.

Hicks Primers, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES,

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.



Hahn's Latest Improved

Watchmans' Time Detector,

With Safety Lock Attachment.

Highest Award at Columbian Exposition.

This Clock is neat, thoroughly reliable and very durable. **Cannot be tampered with.** Price moderate. Is adapted for six or twelve stations, having a different key for each. Registering is done by number from 1 to 6 and 1 to 12, each station having its number. No chance for a fraudulent record here. Old style detectors mark by holes or an impression on dial, the same for all stations. Allowance made for old Detectors. Send for circulars, prices and further particulars.

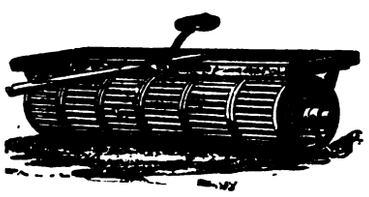
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Cyclone Pulverizer.

The Greatest Seller known. Actually Sells on Sight. The only Pulverizer sent on approval and trial. See it and you will sell it. . . . See also our Iron King and Leader Steel Roller. Best line of Rollers made.

The Fulton Machine Co., Sta. B, Canal Fulton, O.



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As light as wood and much stronger. The only Steel Block where the straps extend down below the middle and the pin passes through them, and has edges and middles rounded to protect the rope. When bushed with Ford's Patent Self-Lubricating or Adjustable Five-Roller Bearing Sheaves they lead all others for cheapness and durability. To insure the best blocks always specify **STAR BRAND.** 1897 Complete Catalogue J now in preparation. . . . . .

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Are Reliable.

Just what we have wanted.

A STRONG **MORTAR, ASH, SAND and COAL** **Barrow**

AT A LOW PRICE. Ship us Six Dozen.

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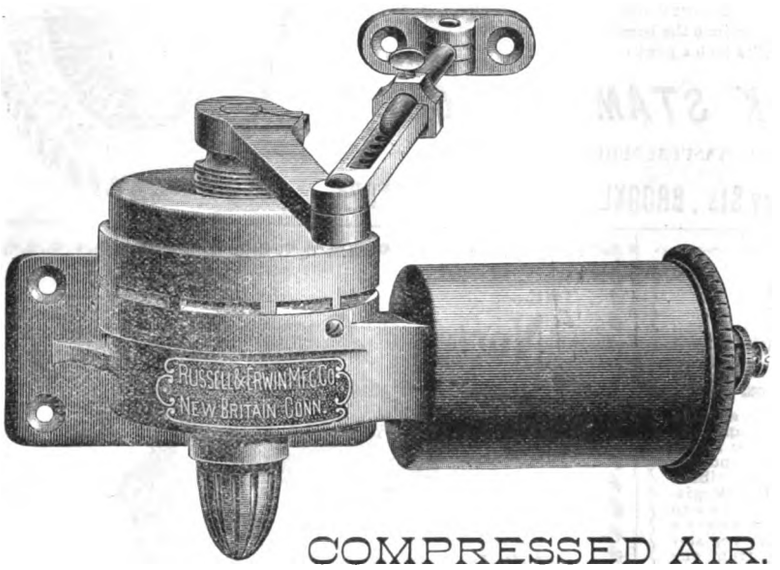


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Powerful in Action.
Neat in Appearance.

COMPRESSED AIR. NO LEAKAGE.

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CANFIELD'S MOULDED RUBBER GOODS
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Buy lead pencils, carpenters' pencils, lumbermens' crayons, stove polish, graphite paint, lubricating graphite, belt dressing, crucibles and other graphite products of

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Who are the largest and oldest importers, miners and manufacturers of graphite, plumbago and blacklead in the world.



Smoke Pipe Register (Black) with White Ceiling Plate.

Indian Design Patented.

Showing Removable Cap for use when Smoke Pipe is taken down.

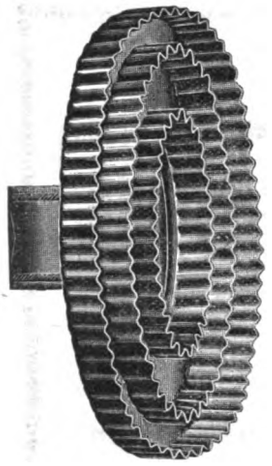
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IT'S IN THE TEETH.

The Patent "REFORM" Curry Comb is composed of three shallow, oval trays, with corrugated edges. The parts are struck up from a fine grade of cold rolled steel, heavily tinned and bronze lacquered, firmly riveted together and warranted not to rust. The outer dimensions are 6½x4¼ inches and by reason of the large cleaning surface and peculiar arrangement of teeth, the comb will do its work with a large saving of time and labor, cleaning with equal thoroughness both long and short coats. There are no places to accumulate hair and it will not tear or injure the brush, the comb being quickly freed from accumulation by giving its face a gentle tap.



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Price, $30.

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Are you inclined to increase your profits?

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THE "Norton"

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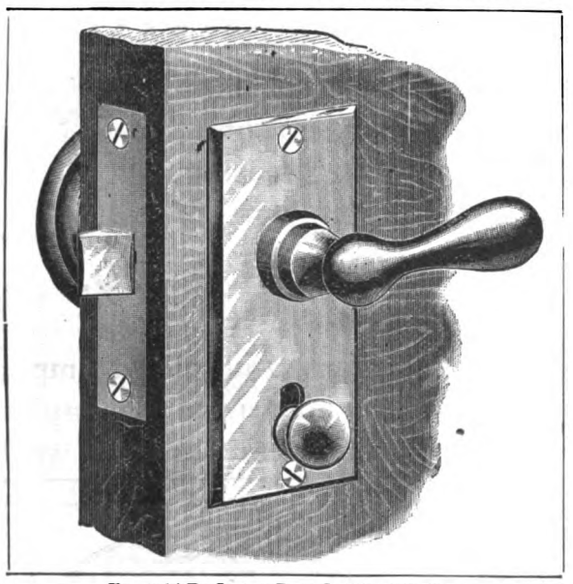


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Manufacturers of **Builders' Hardware,**

Factory and General Offices,

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The Mutual Life Insurance Company

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RICHARD A. McCURDY, President,

Is the Largest Insurance Company in the World.

The Records of the Insurance Department of the State of New York SHOW THAT The Mutual Life

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And Pays More to Policy-holders,	($25,000,000 in 1896,

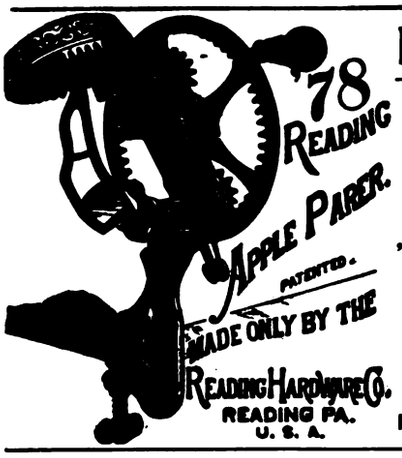
THAN ANY OTHER COMPANY.

It has paid to Policy-Holders since its organization in 1843, ($437,005,195.29)

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"Happy Thought" Tack Puller.



Patented.

Made of polished steel. Will pull all size tacks, and the construction and shape makes it easy to pull the tack without breaking the heads off. The bottom hook which serves as the lever in drawing the tack is also convenient to lift the carpet from the floor. One trial will prove that the "Happy Thought" is the best. The price, 10 cents brings it in reach of all. For sale by all leading Hardware dealers. This is a fine seller, and we will send a sample to the trade on receipt of a two-cent stamp. Manufactured by the

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ATHOL MACHINE CO.,

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Manufacturers of

Vises, Meat Choppers,
Mechanics' Fine Tools, &c.

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Successors to Shepard Hardware Co. of Buffalo, N. Y.

In Blind, Shutter and Gate Hinges, Gate Latches, Frame Axle Pulleys, No. 25 Niagara, No. 26 Star, No. 30 IXL, No. 60 Square End, No. 35 Acme solid case with markers, and the Gem Machine Pulley from 1 3-4 in. to 2 1-2 in.

We also manufacture—

Stenger's Patent Self-Locking "Noiseless Blind Hinge," Christman's Shutter Lock and Bower, Furniture Casters, Shelf Brackets Plain and Rosette, Plumbers Brackets, Nickel Plated and Plain, Hay Fork Pulleys, Well Wheels, Grindstone Fixtures, Nail Hammers, Claw and Shingling Hatchets, Toy Hammers and Hatchets, Toy Sad Irons and Stands, Jackstones in Boxes or Bulk, &c.

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TINNED ALL OVER.

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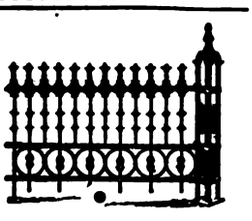
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We furnish first-class work at prices that bring the trade. Write for Catalogues, Prices and Terms

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Manuf'rs of Iron Fence, Jails, Architectural and Ornamental Iron Work.



IRON FENCES OF ALL KINDS



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Fire Escapes, Wire Fencing, Bank & Office Railings, Stable Fixtures, Roof Cresting, and all kinds of Wire and Iron Work.



Reservoir Vases.

Lawn and Park Settees, Fountains, Statuary, and Lawn Furniture of every description.

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THE CELEBRATED BRANDS

Western Red End,
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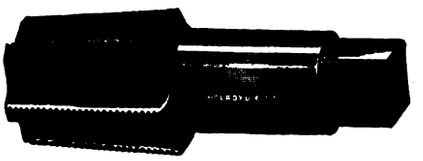
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RESULTS VERY SATISFACTORY.

Charles Weiland, New York. [*General Hardware*]: I have been a constant advertiser in every issue of your paper since its incipiency. The results derived through the advertisements in your paper have been very satisfactory.

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Acknowledged to be the best article for polishing stoves, as it does away with the old time dirtiness of the work, making this work a pleasure. Also invaluable for polishing brass or glass, or silverware, which it does not scratch. For tan shoes and cleaning bicycles it has demonstrated itself a conspicuous success.

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STANDING SEAM SNOW SHOE IRONS

No snow rails need be used unless desired. The lugs clinch through the seam easily but securely. A No. 2 Slate Roof Iron is also made. Send for Catalogue.

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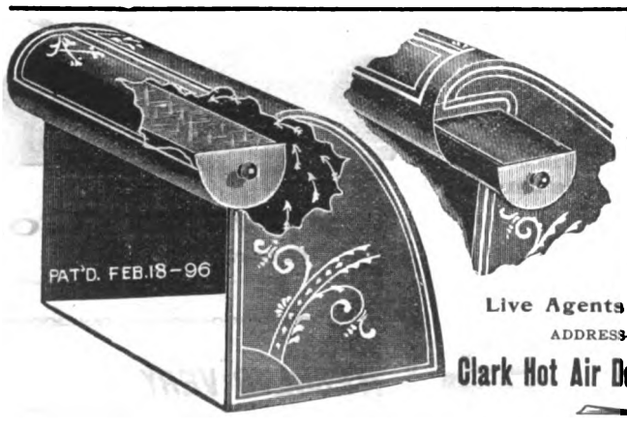
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Such as Wire Nails, Fence Staples, Plain and Galvanized Smooth Wire, Painted and Galvanized Barbed Wire.

THE SALEM WIRE NAIL CO., Salem, Ohio.

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No more black on your walls.
No more dust in your rooms.

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All others are infringements.

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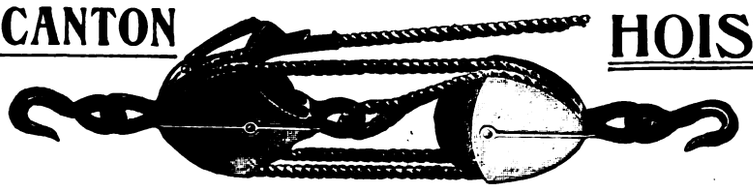
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Can be used perpendicularly, horizontally, and at any angle. . . .

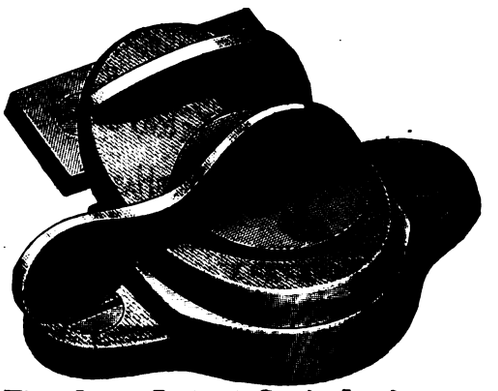
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In Cold Rolled Steel, Bronze and Brass. In all the Popular Finishes.

LOCKS OPEN. LOCKS CLOSED.



The Ives Patent Sash Locks,

Have acknowledged superiority for the complete manner in which they perform the work they are intended to do. . . .

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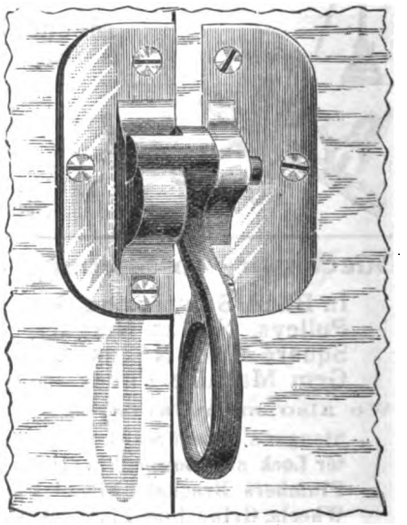
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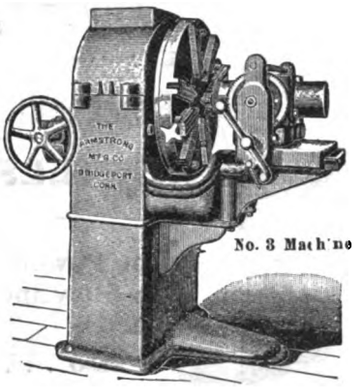
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No. 3 Machine

PIPE THREADING & CUTTING OFF MACHINES, ADJUSTABLE STOCKS & DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—

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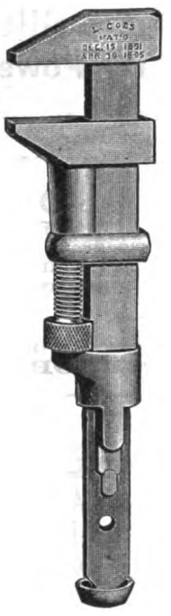
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Genuine Improved
KNIFE HANDLE
PATENT

Screw Wrenches.

MANUFACTURED BY

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Established in 1839. Registered April 9, 1895.

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Sectional View Illustrates our New Knife Handle, showing Manner of Construction.

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Incorrodible Steel Hitching Post, ornamental and lasts a lifetime.

Automatically takes up slack of chain.

Freedom and comfort for animal. Safety and security for owner.

Ready Sellers.

Write for prices and secure exclusive agency for your city.



Newhouse Steel Traps.

If you want to know all about STEEL TRAPS and how to catch fur-bearing animals send to

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Limited,

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My Specialty is to Manufacture for Other Parties.

Reasonable arrangements can be made. WRITE ME TO-DAY.

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Mfr. of Castings; Nickel and Brass Plating, Metal Pattern Maker, etc.

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BUY ONLY THE BEST
at Prices to Beat the World.
MAKE NO MISTAKE.
40 years' reputation is guarantee enough as to the high standard of the
BEST SAWS MADE.

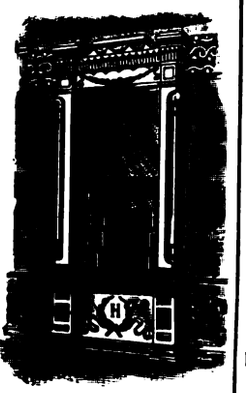
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It is the most popular Blind in America; more convenient, 25 per cent. cheaper than the hinged blind, and will last double the length of time. The only blind that gives universal satisfaction. Tens of thousands are in use. Architects are specifying them on their merits. . . . . .

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Send 6c. in stamps for new 100-page illustrated catalogue, or send for free circular. Address . . .

HARTMAN SLIDING BLIND CO., No. 100 LINCOLN AVENUE, CRESTLINE, OHIO, U. S. A.



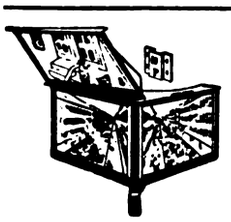
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Axes, Chisels, Hand Saws, Scales,
And all varieties of
ICE TOOLS FOR SUMMER USE.



WM. T. WOOD & CO.,
MANUFACTURERS OF
FINEST QUALITY ICE TOOLS,
100 Massachusetts Ave., - ARLINGTON, MASS.

Send for 1897 Illustrated Summer Circular.



WINDOW MIRRORS

Enables a person to see up and down the street, eight to ten blocks, and who's on the door step. Can be attached to any house. . . .

THE BEST MADE, "THE PERFECTION."

. . . Write for prices, etc. . . .

BAYER & CO., 28 North 13th St., PHILADELPHIA, PA.



"MAIL & EXPRESS" SCALE $5.00

PELOUZE SCALE & MFG. CO., CHICAGO.
Manufacturers Postal Counter, Family and Confectionery Scales.



The "Advance" line
Blacksmith's DRILLS.

Hand or Power
Fast or Slow Speed
Self Feed

ALSO . . .
Silver's OLD LINE
Hand Drills.
Silver's Power Post Drill
Cut Gears, Lever Feed, 19 inch Swing.

Silver's Power Base Drill,
Cut Gears, Combined Lever and Wheel Feed, Round or Square Base, 20 inch Swing. . .
The last two drills are supplied with counter-shafts, and are suited for new work or repairs.

THE SILVER MFG. CO.,
SALEM, OHIO.



Pat. Nov. 15, 1887.

BURTON'S ANTI-RATTLER & BOLT HOLDER No. 1.

If you want to know all about it write to
THE FERNALD MFG. CO,
NORTH EAST PA.

"Replies From All Sections."

McIntosh-Huntington Co., Cleveland, Ohio. [*General Hardware and Bicycles*]: As an advertising medium, we have recently had occasion to test HARDWARE in a manner that would give us some idea as to how successful it can be used. Our advertisement did not occupy a very prominent position, but was of a character to excite the cupidity of the reader. We found that within two days after your paper came out, we commenced to receive replies from all sections of the country to the advertisement. This would seem to be sufficient proof that yours is a good medium.

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QUADRUPLE Your Spring Sales

STANDARD FIBER-WARE COMPANY
STANDARD
TRADE MARK.
MANKATO, MINN.

WASH BASINS.
SLOP JAR MATS.

In these lines by stocking up with **plain** and **decorated** **"STANDARD" WATER PAILS, DAIRY PAILS, CHAMBER PAILS, CUSPIDORES, &c.,** for Office, Lobby, Hotel, Hall and Home.

Made of **strong fiber, wound,** and **steel bound,** they do not split open, nor chip off at edges, neither do their truss bottoms warp, loosen or leak.

All "Standard" goods are **waterproofed throughout,** and then **indurated by oxidation** until **absolutely unsoakable.**

"Standard" is the only Fiber-Ware having **hand-painted decorations,** which, with its other merits, makes it outsell all similar ware.

Catalogue and price list, with full particulars, sent to dealers on application to the above company.

Disston's Superior Files.

The Steel used in these Files is manufactured by our own steel works. They are cut by skilled mechanics on our own improved machinery, hardened by a special process which insures an even temper.

Each File is carefully inspected before leaving the factory.

We Guarantee the quality of our Files to be equal to that of our Saws. . . . . .

IF YOU CANNOT BE SUPPLIED WRITE US.

Highest Award given our Files wherever exhibited

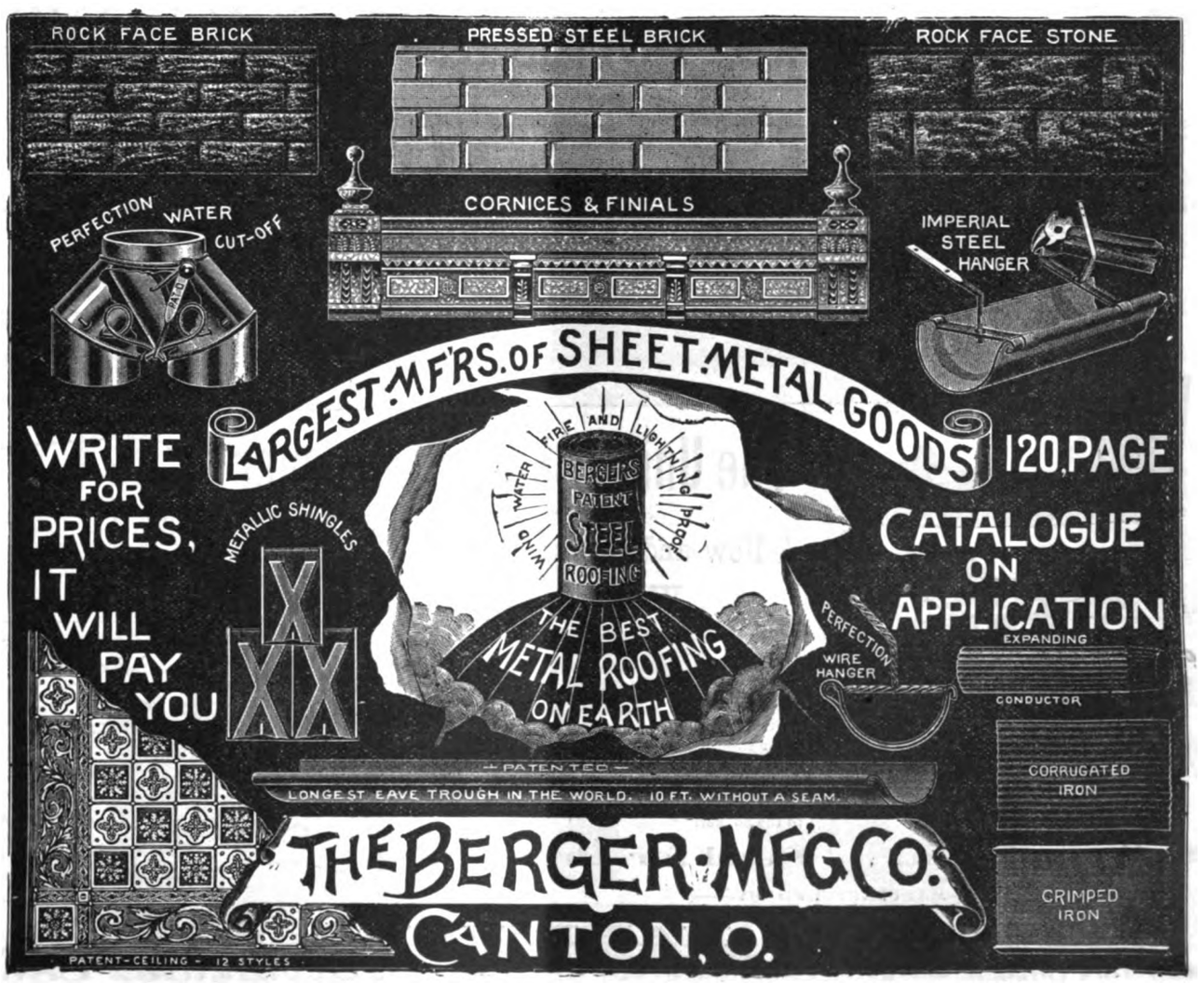
Henry Disston & Sons, Incorporated,

Philadelphia, Pa.

TRUCKS OF ALL KINDS.
A. ADAMSON
MACHINIST.
Corner Exchange and Water Streets,
AKRON, OHIO.

General Machine Work, Molds for Bicycle Tires, Air Goods, Druggists' Sundries, Matrices for Hard Rubber Goods, Die Sinking, Hydraulic Presses, Special Machinery, etc. Estimates cheerfully given. Correspondence solicited. Work promptly done.

Rubber Machinery

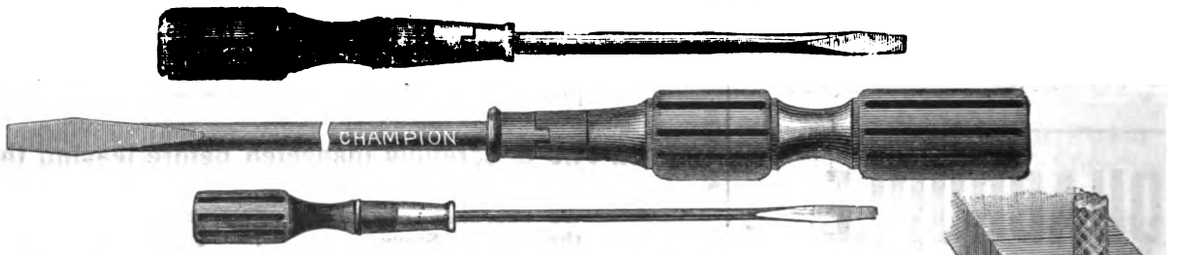


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CARPENTERS AND MACHINISTS' TOOLS.

TOWER'S CHAMPION SCREW DRIVERS.

Machinists', Cabinet and in sets.



See that the word "CHAMPION" is on each Screw Driver.

There are plenty of imitations to deceive.

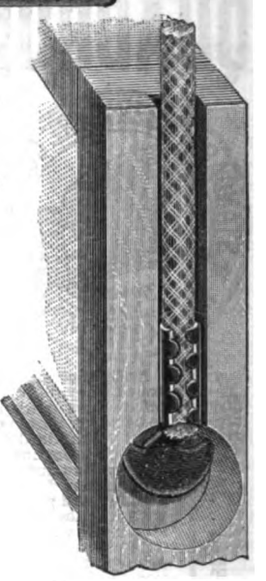
STEPHENS' PAT. VISES.





PHILLIPS'

Sash Cord,
Sash Weight,
Sash Chain
and
Sash Ribbon
Fasteners.



Shows Fastener in use.

TOWER & LYON,

95 CHAMBERS and 77 READE STS.,

MANUFACTURERS . . .

NEW YORK.

PADLOCKS, POLICE GOODS, ETC.

ICE SKATES.

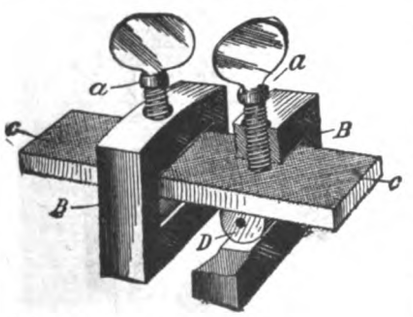


UNION HARDWARE CO.'S RACING SKATE,
CALLED THE
DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener

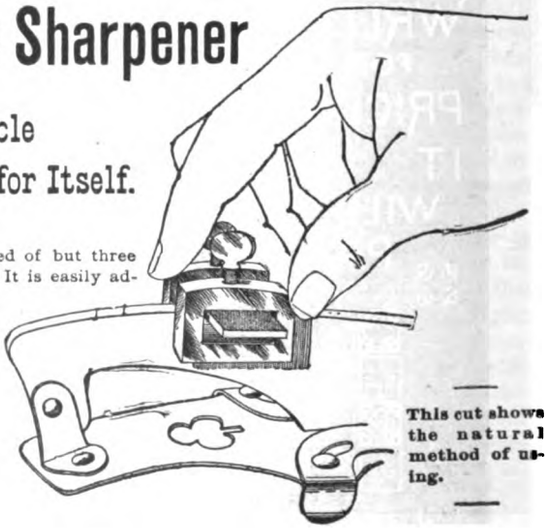


A New and Useful Article Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. **Torrington, Conn.**

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MORRILL'S Perfect Saw Sets.

BENCH STOPS.

UNIVERSAL PUNCHES.

TRADE MARK

CAR SEALERS.

CUTTING NIPPERS.

This Trade Mark is stamped on all Saw Sets and other Hardware Specialties of my make.

CHARLES MORRILL, 35 Warren Street, New York.

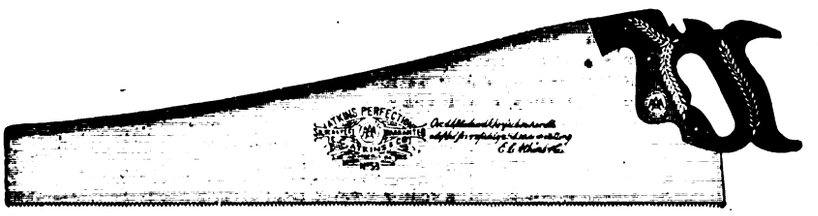
E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES:
Memphis, Tenn.
Chattanooga, Tenn.
Minneapolis, Minn.

MANUFACTURERS.

The Atkins SILVER STEEL HAND, PANEL AND RIP SAWS.

WE MANUFACTURE EVERY KIND OF SAW USED.



SILVER STEEL.
FINE TEMPER.
BEST WORKMANSHIP.
THE BEST SAWS MADE

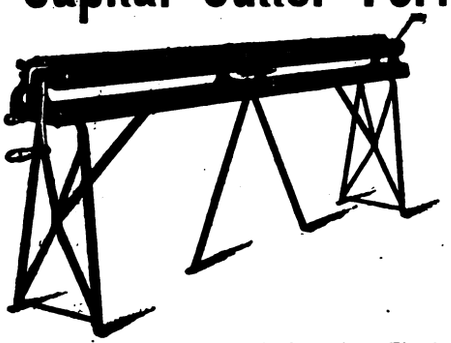
ATKINS' PERFECTION, No. 53.





WRITE FOR PRICE LIST AND DISCOUNTS.

The Capital Gutter Former



is adapted to form gutter from 3 in. to 7 in. inclusive. The forming of the head and gutter is practically a continuous operation. Capacity 600 feet perfectly formed gutter per hour with two ordinary men or boys.

The Rotary Slitting Shears



are provided with two or more pair of cutters which are easily adjusted to cut a sheet of metal 30 inches wide into as many strips as may be desired, from ½-inch and wider; is simple and durable, and will be found to be a very useful tool for slitting sheet metal for any purpose where long lengths are required.

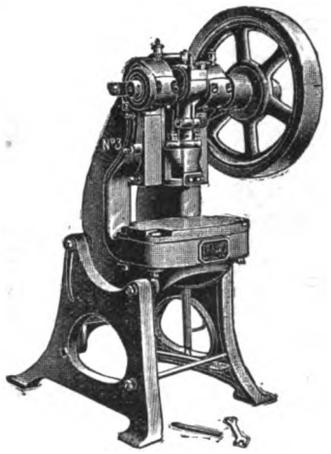
Mention HARDWARE. *For further information and prices address* WATROUS & CO., Troy, N. Y.

NICKEL PLATING

THE HANSON & VAN WINKLE Co.
OFFICE NEWARK, N.J., U.S.A.
WORKS
NEW YORK. CHICAGO.

OUTFITS

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VIEILLARD & OSSWALD,

Manufacturers of

PRESSES AND DIES AND SPECIAL MACHINERY

FOR THE WORKING OF SHEET METAL

Dies for Sheet Steel Stampings a Specialty.

708-710 Jamaica Avenue, BROOKLYN, N. Y., U. S. A.

WRITE FOR PRICES.

STOP



Did you ever see the like?

Seven men on one ladder—and it a small Step Ladder too—and it would carry as many more if they could get on it.

You know it keeps the old style Step Ladder busy to carry one good sized man or woman without breaking down; and they last but a year or two at best. . . . . .

This Step Ladder Will Carry All You Want to Put On It,

and will last a lifetime if you treat it half decent. . . . . .

There is but One Step Ladder made for mechanics, and

THIS IS THE ONE.

We manufacture

Single Ladders, Extension Ladders, Single Bent Rung Step Ladders,

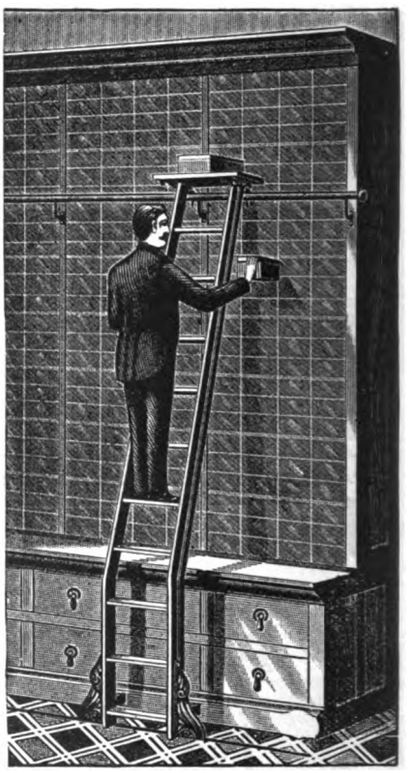
Which are all covered by patents.

No person else manufactures them but us. Write for Prices and Discounts.

Indiana Ladder Company, Indiana, Pa., U.S.A.

The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

The Bicycle Step Ladder Co.,

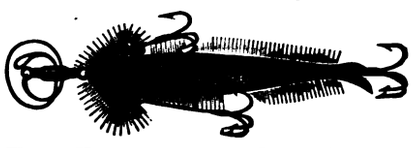
50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J. HUSSEY & CO., 80 John St,

H. N. YOUNGS, 40 Wall St., Bridgeport, Conn., New England Agent.

WITH PFLUEGERS LUMINOUS BAIT

You catch fish, while with others you might. Made in every suitable size and pattern known to modern anglers for



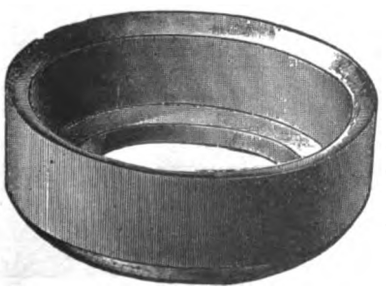
Trolling, Casting, and Still Fishing.

All enterprising dealers sell it. If not, address



The Enterprise Mfg. Co., Akron, Ohio, U. S. A.

Large Illustrated Catalogue mailed free.



Kendrick Valve & Washer Co.

Valve and Plunger Leathers.

. . *Special Valves to Order* . .

Special Leather Washers.

Tubular Well Cups. Iron and Brass Cylinder Cups.

Oil Well Valve Cups. Elevator Cups.

Special Cups to Order.

306 EAST WATER ST., SYRACUSE, N. Y.

MANUFACTURERS OF

PLUMBERS' WASHERS AND SPECIALTIES.

PROGRESSIVE AND ENTERPRISING.

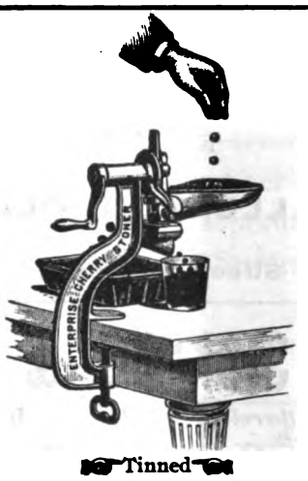
Holmes & Edwards Silver Co., Bridgeport, Conn. [*Silverware*]: We recognize in HARDWARE a magazine progressive and enterprising.

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ENTERPRISE

Cherry Stoners





No. 1, Japanned, $7.50 per doz.
No. 2, Tinned 9.00 per doz.

Tinned
No. 12, $12.00 per doz.

The Enterprise Mfg. Co. of Pa.
Philadelphia, Pa., U. S. A.

Branch Office and Warehouse
10 Warren Street, New York City

Our 1897 Catalogue
mailed free on application

GOOD SELLERS DURING THE HOT WEATHER

Ice Shredders



No. 33, Tinned $6.00 per doz.
No. 34, Nickeled, 15.00 per doz.



No. 23, Tinned $1.25 per doz.

Akron Tubular Steel Wheelbarrows.

RE-INFORCED TRAYS.
SOLID FRAME.
NO HOLES DRILLED INTO IT.
ALL PARTS CLAMPED ON.

Perfect Forward Dump.
Strongest, Easiest Handled.
Lightest and Most Durable.

McNEIL'S PATENT BALANCED AUTOMATIC DUMP CHARGING BARROW.



The Akron Cultivator Co.,
MANUFACTURERS, Akron, Ohio.



Lid and pan to suit completes the machine.

The Eynon Patent Mixer and Beater

Is the **BEST** and **STRONGEST** machine for mixing purposes **EVER** placed on the market. It mixes the ingredients for a cake **ALL AT ONE TIME**, in 3 to 5 minutes. It mashes potatoes in **1-4** minute, making them nice and flaky, and retains **ALL HEAT.** It mixes salad dressings; makes butter in 3 minutes; beats eggs; whips cream; makes icings, puddings, omelets; in fact for all things requiring to be mixed, beaten, or mashed, the work can be accomplished in **1-5 THE TIME** it now takes. You **DO NOT** have to **REPLACE WIRES** in this Mixer, **THEY NEVER BREAK.** Every machine is guaranteed. Send for descriptive circular and price.

EYNON & SONS, 122 N. Sixth St., PHILADELPHIA, PA.

THE FINISHED STEEL CO
YOUNGSTOWN OHIO
MFRS OF **POLISHED SHAFTING**

You take no risk on the quality. We make only the best!



Sand Papers IN **Reams and Rolls**
- Flint Paper
- Garnet Paper
- Emery Paper
- Emery Cloth

HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators.

BAEDER, ADAMSON & Co
730 MARKET STREET, PHILADELPHIA.
67 BEEKMAN STREET, NEW YORK.
143 MILK STREET, BOSTON.
182 LAKE STREET, CHICAGO.

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The Best Equipped File Works in the World

Samuel W. Allerton. Prest. C. C. Clarke, Sec'y & Treas. A. Weed, Vice-Prest. & Gen. Manager.

The Arcade File Works

Established 1842.

WEED'S IMPROVED CUT — GUARANTEE SEAL — ALL FILES ARE FULLY GUARANTEED — SPECIAL TEMPER

Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

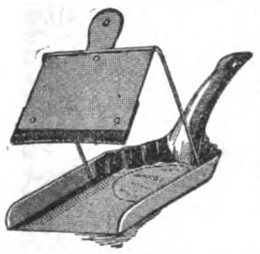
New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 97 Chambers St. and 79 Reade St. New York.

The DANDY SINK CLEANER.

. . . A perfect and complete



Household Specialty.

A Sink Cleaner and Shovel Combined. . .

Tidy housekeepers will throw away the dirty sink broom and buy the Dandy Sink Cleaner on Sight. . . . . .

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

John W. Sudlow, 986 HALSEY STREET, BROOKLYN, N. Y.

SICKELS & NUTTING CO.,

Office, 35 Barclay Street, Warehouse, 40 Park Place, New York.

NEW YORK AGENTS FOR THE

Withington & Cooley Mfg. Co.'s Farm and Garden Tools.

The Cortland Door and Window Screen Co.

Warwood Tool Works, Picks and Mattocks.

Union Steel Screw Co., Wood Screws.

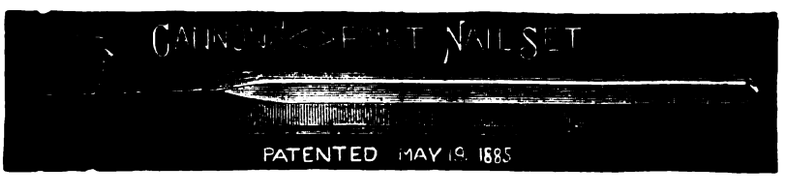
. . RELAY BICYCLES . .

SICKELS, PRESTON & NUTTING CO., Davenport, Iowa.

SPECIAL SALE

For a short time only. In order to still further increase their sale and popularity, we will, for a limited period only, make a

BIG CUT IN PRICES IN THE CELEBRATED CANNON'S



DIAMOND POINT NAIL SETS.

Send to us for this special price now, and

REMEMBER

. . It Is for a Short Time Only . .

MANUFACTURED BY

THE STORM MFG. CO.

John H. Graham & Co.,

Sole Selling Agents,

113 Chambers Street, - NEW YORK.

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CHATILLON'S SPRING SCALES.

For more than **sixty years** we have carried on the business of making **Spring Scales,** and have made it OUR SPECIALTY.

Our experience in the business, together with our unequaled facilities for manufacturing, enable us to produce a superior article, and thus to maintain the well-known reputation of **Chatillon's Spring Scales** as above that of other makes.

All our Scales are warranted to weigh accurately and to be perfect in workmanship.

FOSTER BROS.' BUTCHER KNIVES, CLEAVERS, STEELS, &c.

TRADE MARK

These Tools are recognized in the Markets, Packing Houses and Abattoirs throughout the U. S., as the standard of excellence, quality being the first consideration. We carry in stock every style and size of Knives, Cleavers and Steels used in cutting meat; also Knives for kitchen use in Hotels, Restaurants and for domestic purposes.

FRIEDERICH DICK'S MAGNET DIAMOND STEELS.

TRADE F. DICK MARK

By careful workmanship and the use of a special steel in their manufacture they have become famous throughout the world.

PHOENIX KNIFE CO.'S POCKET KNIVES.

We have recently become interested in the manufacture of Pocket Knives, and solicit the trade of our friends on a first-class Pocket Knife, equal to any knife made, foreign or domestic.

JOHN CHATILLON & SONS,

ESTABLISHED 1835.

85 to 93 Cliff St. and 12 Jacob St.,

NEW YORK CITY.

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WANTED:

Specialties to Manufacture.

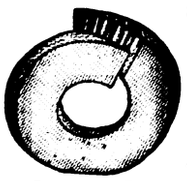
We have a large, well equipped Factory and are always ready to estimate on manufacturing Specialties. . . . . .
We have excellent facilities for the production of

SHEET METAL NOVELTIES.

The Smith & Egge Mfg. Co.,

. . . DEPT. "A" **Bridgeport, Conn., U. S. A.**

TRADE MARK.



GOULD'S
STEAM & WATER PACKING
Never sticks the Throttle.
The Original Ring Packing.
In ordering give EXACT diameter of Stuffing Box and Valve Stem.
None genuine without this Trade Mark.
THE GOULD PACKING CO.,
A. CHIPMAN, Treas. EAST CAMBRIDGE, MASS.

NIAGARA SILVER CO.,

MANUFACTURERS OF
Silver Plated Flat Ware In new Designs.
Write for Catalogue. Niagara Falls, N. Y.

Dumb Waiters.....

that don't keep you waiting.
Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.
THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1853.

Tools, Cutlery and Springs.



SCREWDRIVERS OF ALL KINDS - - - SEND FOR CATALOGUE.

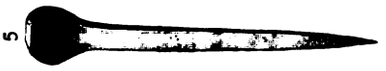
TURF NAILS, Nos. 1 to 5.



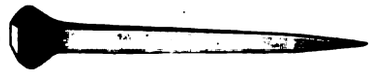
FRENCH HEADS, will fill any shoe punched or creased. Nos. 3 to 8.



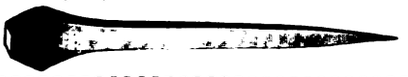
REGULAR HEADS, Nos. 5 to 14.



CITY HEADS, for shallow creased shoes, Nos. 5 to 9.



COUNTER HEADS or **FROST NAILS,** Nos. 5 to 9.



PUTNAM NAIL COMPANY

NEW DEPARTURE.

In consequence of the action of the National Hardware Association, we now propose to sell direct to the general jobbers of the country. . . . . .
All restrictions have been removed as to quotations to be made by the trade from ocean to ocean. . . .
The high quality of the Putnam Nail makes it an easier seller at an advanced price over nails made by rolling and shearing. . . . . .
In case local dealer does not handle our goods, address

The Putnam Nail Co., Neponset, Boston, Mass.

235 Lake St., Chicago, Ill.
12-14 Drum St., San Francisco, Cal.

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ASTOR, LENOX AND TILDEN FOUNDATIONS.

HARDWARE

VOL. XV. JULY 10, 1897. NO. 7.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade. Published the 10th and 25th of each month, by the HARDWARE PUBLISHING CO., No. 148 CHAMBERS ST., NEW YORK.

BRANCH OFFICES: CHICAGO, - - - - - ASHLAND BLOCK.
BOSTON, - - No. 33 EQUITABLE BUILDING.
CINCINNATI, - - - No. 316 VINE STREET.

Subscription, $1.00 per year. Subscription, Foreign, $1.50 per year.

JAMES H. KENNEDY, - Editor and Manager.
HENRY HOPKINS, - - Associate Editor.
FRANK REIFSNIDER, - Western Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted to the Hardware Trade.

Editorial Trade Review.

We are having some of the hottest weather of the season just at this particular time, and with the mid-summer dullness in full sway—if one may so state the stagnation generally attending all kinds of business, Hardware not excepted.

It has looked since commencing a new governmental fiscal year, as though the tariff question would be settled in a very brief time. It has been a delay of an unfortunate character for the many industries which it was the intention of our legislators to protect by increased duties. The countries more greatly affected by proposed increase in duty, have been rushing over their finished products without the consignees worrying themselves very much about patterns and styles, for anything is supposed to possess a selling value when a change in the tariff advances the prices of new goods from fifty to three hundred per cent. Judging from the reports of our consuls, the declared exports from many Austrian, French and English ports have almost doubled in value as compared with 1896. From Reichenberg, Austria, March, April and May, 1896, the exports to the United States were $186,673; this year they increased under the tariff pressure to $330,290. From Haida, Austria, they were increased from $137,626 in 1896, to $200,649 for March, April and May, 1897. The exports of cutlery from Sheffield, England, were largely increased each month this year, reaching $33,195 in January, $57,518 in February, $99,063 in March, and $117,659 in April, other exports of steel, wire, sheets, etc., increasing in a similar ratio.

The same notable advance in values exported can be seen in every report; Nottingham, Eng, reaching $1,156,959 in the quarter ending May 31, 1897, an increase over the same period in 1896 of $421,226. The report of Consul Roosevelt from Brussels and Charleroi shows an increase for the three months, as compared with 1896, of 313 per cent.

It may readily be believed until such heavy shipments are checked by the signing of the tariff bill, it will be a difficult matter to make a positive date for any prosperous business in American products.

The sheet iron, tin and glass factories, under one pretext or another, have closed down this month for overhauling plants, necessary repairs, or in conforming to an annual custom. The glass factories invariably select this time in the year to stop work, and let the workmen have a rest usually reaching into September. This year there is a difference to settle as to the wages scale as well, which will lengthen the idle months rather than shorten them. The iron workers will doubtless agree upon the scale demanded, as soon as needed repairs are made, as activity in that line for months to come seems possible under existing conditions.

The Changes in Bicycle Values.

The very radical changes in the list prices of the entire line of Columbia bicycles which was made on July 1 by the Pope Mfg. Co., of Hartford, Conn, will undoubtedly have a serious and permanent effect upon the general bicycle market from now on.

It has, this year especially, been a very difficult job for the leading makers of $100 wheels to maintain their arbitrary list prices, and sell enough of such wheels on which to figure a balance on the profit side. In the meantime, company after company has been formed to make a wheel that could be sold at very much lower prices, and very many of these cheaper wheels were establishing reputations that constantly created new purchasers.

It would no doubt have been better for the cycle business generally, as represented by these old-established makers, had the decision been made January 1 to reduce Columbia bicycles to the schedule now adopted. The entire business would have been at this date on a much more solid and satisfactory basis, and a hundred additional companies new this year would have "died a bornin'."

In a future clearing of the deck for action, the old companies with large plants and abundant financial resources, will be found early in the swim for the trade of 1898; but the large profits anticipated by the newer arrivals on the field of battle, will probably this year fail to materialize and compel many withdrawals, with no successors. Cycles certainly can now be made at a lower cost than obtained several years ago, and the retention and sustaining of a price established so far back, was a great mistake, which has made the seasons of 1896 and 1897 both deficient in revenue. In the future it will undoubtedly be found good policy on the part of the manufacturer to abolish many of the unprofitable company stores, carried on at great expense in all the leading cities, and to seek at the same time first class representation among the established dealers in Hardware. All over the country they are to be found possessing unbounded advantages and unequalled facilities to handle a line of goods which have become staple supplies, in many cases necessaries, and

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which it would seem the correct thing for the legitimate Hardware dealer to exert himself to the utmost in distributing, awaiting only the proper advances and solid support of the manufacturer to find a great success possible of achievement.

Death of Samuel S. Patterson.

Samuel S. Patterson, who has long been identified with the wholesale Hardware trade of this city, being the senior member of the established house of Patterson, Harral & Gray, No. 85 Chambers Street, New York, died at his home, No. 177 Halsey Street, Brooklyn, on July 3rd, of paralysis.

He had been ill for about four weeks, and only on Wedday of last week had gone to his office in this city, believing he was on the road to a permanent recovery, when the following day he received a second stroke which terminated fatally at midnight on July 3rd.

He was a member of Alexander Hamilton Post, No. 182 G. A. R., and was a Pastmaster of Globe Lodge No. 618, F. and A. M. A widow survives him. Interment was had in Frederick City, Md.

Mr. Patterson was born in Lowell, Mass., in 1839, coming to New York when twelve years of age.

At the outbreak of the war he joined Company G, Ninth Regiment, N.Y.S.M. Volunteers, afterwards known as 83rd N.Y.S.V., and served his country as a private until the close of the war. After his return from the battlefields, he connected himself with the Hardware firm of James E. Halsey & Co., then in Beekman Street, as confidential bookkeeper and cashier; this firm later became Day & Halsey, located on Canal Street, finally changing to T. D. Day & Co., who were unsuccessful in business, and Mr. Patterson, who had continued with the house through all its various changes, started for himself in Franklin Street, this city, in the handling of "job lots" of Hardware as a special business. He has always been considered the pioneer in this now extensive and important business. About this time, R. T. Hazell, who had been the leading Hardware auctioneer of this city, sold out his interests in that line for the purpose of joining Mr. Patterson in the business he had successfully established. As Hazell & Co. they were associated a number of years, when Mr. Francis Harral, whom he had known ever since the early days with Day & Halsey, became a partner, the name continuing as before. At the expiration of several years' successful business, Mr. Hazell desiring to retire, Mr. Harral purchased his entire interest and formed the firm of Patterson & Harral, which later, by the admission of Walter R. Gray, made the style of the firm as at present, Patterson, Harral & Gray. As a perfect summary of the high esteem and dignified opinion held by his business associates in all the walks of his long business career, the writer is permitted to extract the following from a letter of condolence written by one whose intercourse with the deceased had been of many years' duration. He refers to Mr. Patterson as "one who was so universally esteemed, honored and respected for his manly qualities, his business judgment, and his rectitude and integrity. These qualities which made his name so greatly respected in our trade were his greatest pride, and must be to you, his associates in business, a source of great comfort. His loss will be sincerely felt by all who knew him and had business and friendly relations with him."

A more perfectly honest and conscientious man, or one more upright and consistent in his business methods it would be difficult to find. Industrious and painstaking in all he ever undertook, he was more inclined to overexert himself by diligence in his affairs than to be found lacking in any of the elements that make a successful man of business.

Changes In Prices Of Columbia Cycles.

On July 1, as announced a day or two previous to that date, the Pope Mfg. Co., Hartford, Conn., reduced the list prices on their line of Columbia bicycles, as follows: 1897 Columbias, from $100 to $75. 1896 Columbias, from $75 to $60. 1897 Hartfords, from $60 to $50. Hartfords, Pattern 2, from $50 to $45. Hartfords, Pattern 1, from $50 to $40, and Hartfords, Patterns 5 and 6, from $40 to $30. It goes without saying that this entirely unexpected reduction in prices that have been upheld and sustained through every contingency during the season, has taken the trade by surprise, and will prove a great mover of any stock accumulation of these wheels that may now be found in excess of ordinary requirements. It will undoubtedly be met by corresponding reductions in wheels of the recognized standard makes, and result in clearing up all fears of carrying over any stocks of bicycles to handicap the trade of 1898; for the requirements of which, all the leading manufacturers must now at once make preparations.

Picture Molding, Wire and Hooks.

Consul Germain sends the following from Zurich, under date of March 29, 1897: If manufacturers of picture molding, wire and hooks will send me samples and prices, I think I can help to introduce these articles in my district (this city being the distributing center for Switzerland) and, for that matter, in the whole Swiss territory. I have visited every Hardware and picture-frame shop in this city to ascertain whether these articles were kept on sale, and found they were not to be had and were not even known. I would like to show the trade in this district that molding, wire and hooks, as used in the United States, are better for the walls, more practical, and more pleasing to the eye in the hanging of pictures and mirrors than are the spike-like nails and heavy cords now in use. I refer particularly to Nos. 1, 2 and 3 galvanized woven wire, gilt, bronze, and various colored wood moldings, as well as brass hooks of assorted dimensions.

Outing of the New England Hardwaremen.

The members of the New England Hardware Dealers' Association who went to Nantasket Beach, on Wednesday, June 30th, felt that the day was well spent. Some fifty ladies and gentlemen left Boston on the boat a little after noon, and after a sail down the harbor, landed at Nantasket, and were driven to the Atlantic House, where dinner was served. At the conclusion of this, a business meeting was called, at which a committee consisting of the following gentlemen, was appointed to arrange for the meeting of July 17th: Thomas H. Baldwin, Boston; Edgar H. Bowers, Needham, and Myron H. Tarbox, Boston. Music followed, after which an address was delivered by Prof. C. W. Rishell, of Boston University, who took for his subject "Germany as our Business Competitor." A couple of hours were devoted to social pleasures, and return made to Boston by boat in the evening.

Low Priced Cash Registers.

The National Cash Register Co., Dayton, Ohio, has just put on the market a large line of low-priced detail-adding cash registers. It offers registers as low as $15. The No. 18, a detail-adding register, with twenty-five keys, can be bought for $25. The No. 19, which has an automatic cash drawer and twenty-five registering keys, is sold for $40. These registers are put up in painted wooden cabinets, and can be seen at any of the offices of the company.

The Hardware business conducted under the name of Rice, Born & Co., Ltd., New Orleans, La., has been succeeded by the firm of Henry Rice & Son. The business will be carried on as heretofore.

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NEW YORK CREDIT MEN'S ASSOCIATION.

Following is the report of delegates to the Kansas City Convention, of June 9th, 10th, 11th, 1897:

New York, June 29th, 1897.

Dear Sir: As the regularly appointed delegation of the New York Association, it was our pleasure to attend the Convention of The National Association of Credit Men, held in Kansas City, Mo., on June 9th, 10th and 11th, and we herewith beg to submit a brief report of that gathering, and to indicate the results promised by this organization.

We were agreeably surprised at the growth, which the National Association has attained in the short period of time since its formation. Already twenty-three local associations have been established in the principal commercial centers of the Union, while the individual membership is from all sections of the country. There was an enthusiasm manifested by the delegates present at the convention, that evinced their faith in the ability of the organization to fully execute its great purposes in behalf of commercial dealings, and to establish better trade conditions, more uniform and equitable state legislation, and more perfect credit conditions.

The association was fortunate in the selection of its new officers, and the names, identified with the management of the executive affairs, clearly indicate that all undertakings will be conducted with tact and judgment, and with the view of securing the most practical results.

James G. Cannon, President, (vice-president Fourth National Bank,) New York; H. F. Gillean, vice-president, (Preston & Stauffer,) New Orleans, La.; T. H. Green, treasurer, (Tolerton & Stetson Co.) Sioux City, Ia.; F. R. Boocock, secretary, New York.

The work of the association is done very largely under the jurisdiction of its standing committees, which are as follows: Membership, Legislative, Business Literature, Investigation, Credit Department Methods, and Improvement of Mercantile Agency Service. Although brevity is sought in this report, we feel that we should outline, but in only a suggestive way, the character of work that will be undertaken.

The Legislative Committee: Comprehensiveness, simplicity, equity and uniformity are the characteristics aimed at in matters of legislation by this committee. The variations in the commercial laws of the different states are deplored and considered largely unnecessary. Fraud is too easy of perpetration and honorable dealings not sufficiently protected. Legislative improvements will be attempted through local associations in their respective states, but largely under the guidance of the National Committee in order to insure similarity and approximate perfection.

Business Literature Committee: It is the intention of this committee to publish and widely distribute literature of a suggestive character to business men. Many merchants suffer failure through the pursuance of wrong methods, while others create unsatisfactory conditions by their adoption of incorrect ideas in the management of their affairs. This committee hopes to have space assigned it in nearly all of the trade periodicals of the country, so that under its supervision all phases of business may be adequately, logically and wisely treated. By vote of the convention the able treatise on "Individual Credits," by President Cannon, will be at once issued in pamphlet form and widely distributed among retail merchants, and the result hoped for is that an agitation will be started which will completely revolutionize this entire system.

Credit Department Methods Committee: Upon the recommendation of this committee, the vice-presidents of the National Association will canvass their respective States for the purpose of submitting to the board of administration, for approval, suitable blanks for the use of the members of the association. It is proposed to have separate forms for each State, with a printed heading—for instance, "Standard Form for New York." It is not believed that one general statement blank will adequately meet the needs of the various lines of business embraced by the membership, and it has, therefore, been decided to undertake a systematic course of investigation in order to achieve the best results. The following resolutions offered by the Committee on Credit Department Methods were unanimously adopted at the Convention:

Resolved, That the National Association of Credit Men, in convention assembled, hereby declares itself in favor of the adoption of uniform statement blanks, and recommends to its membership the employment of such form, or forms, in obtaining signed exhibits from their customers as may be approved by the Board of Administration.

Resolved, That by an adoption of this recommendation the Association believes that the best interests of its membership will be served by minimizing losses and by removing from the field of business enterprise those whose character and financial status render them undesirable as credit risks.

It is the intention of this committee to draft blanks for making trade inquiries which, it is thought, will be of considerable service in obtaining information. Careful attention will also be given to other blanks and systems employed in Credit Departments, with the view of attaining as near perfect methods as possible, but no final action will be taken until the different questions have been thoroughly considered by all local associations, and also by the consulting constituency of about five thousand of the leading firms in the United States. The subject of Dating will also be taken under advisement during the year, in the hope that the abuses which have crept into our business dealings under this custom may be remedied.

The Improvement of Mercantile Agency Service Committee: It is the ambition of this Committee to so co-operate with the Mercantile Agencies that, as a result of a clearer understanding of what the Credit Man essentially needs in commercial reports, the agencies, through their effective machinery and the executive genius of their managers, may be able to make a great advance in the character of their service to the advantage of themselves, their subscribers and the public.

The Investigation Committee: It is hoped that this Committee will be enlarged into an Adjustment Department, not with the view of establishing a collection bureau, for nothing is further from the intention of the Association, but in order that failures having a suspicious character may be thoroughly investigated, and if fraud is indicated, the perpetrators be fully prosecuted. Under this department efforts will be made to encourage, in every State, the selection of business men in the various lines of trade to act as assignees, receivers or trustees, in the belief that competent men for this class of work, will realize an average of twenty-five per cent. larger dividends from bankrupt stock.

We have endeavored to outline briefly some of the purposes of this Association, and we believe that all of its undertakings are eminently practicable and meritorious, and worthy of high commendation and generous support.

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As a result of our attendance at this convention we would wish to convey to each member of our own Association some of the added enthusiasm of this movement, which we have secured from a more thorough understanding of the great purposes in view. Very truly yours,

CHAS. BIGGS, Chairman, M. E. BANNIN,
W. T. BINGHAM, S. S. CONOVER,
R. P. MESSITER. W. A. PRENDERGAST,
Delegates.

The Stowell Steel Parlor Door Hanger.

The Stowell Mfg. & Foundry Co., South Milwaukee, Wis., are manufacturing the Stowell Steel Parlor Door Hanger, which is referred to as possessing original points

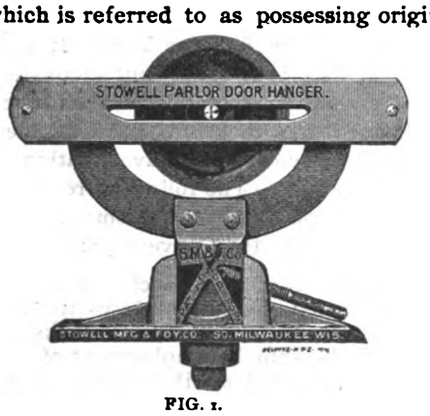


FIG. 1.

of merit, worthy of investigation by all dealers in builders' Hardware. We present herewith several illustrations which embody the salient features referred to. Fig. 1 shows the general appearance of the Stowell Steel Parlor Door Hanger, when in position.

It is a steel track hanger, smoothly japanned and stenciled in bronze. The center piece is made of malleable iron. The wheel is 3½ inches in diameter, the groove is turned and the upper edge of the rail is planed smooth. These features, it is claimed, reduce the noise to a minimum and give it the advantage of noiselessness and great ease of movement. There are two requisites in a good door hanger apart from features of durability. First, simplicity in attaching the hangers to the door and putting the rail in place, and second, facility in leveling up the door by adjusting the hanger after it is in place. The steel track is preferably screwed to a board and the board, in one piece, nailed or screwed to the studding. A long pocket is left in the soffit corresponding in length to the width of the door, and the

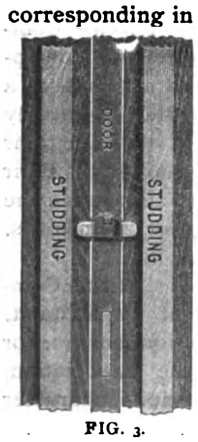


FIG. 3.



FIG. 2.

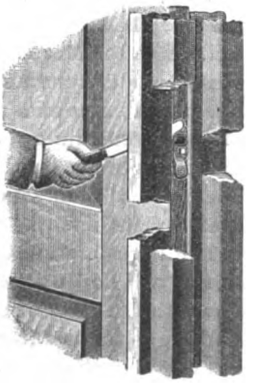


FIG. 4.

hangers, with the door attached, can be thrust into the opening left by this pocket and hooked over the rail. The door, at any time, can be removed or adjusted in the same way by simply taking out the pocket.

Double doors are lowered or raised by a screwdriver inserted in the set-screw at end of the door. The hangers are placed one inch from edge of the door.

Single doors can easily be adjusted by removing the stop and the long pocket in soffit, thus affording an opening the full length of door, to get at both hangers.

In Fig. 2 is shown the stop to which reference is made above; its application to the door is shown in the following illustrations; Fig. 3 showing the stop closed, and Fig. 4 showing it open. The stop is made of malleable iron with rubber plugs to deaden the sound, and is secured by a lag screw in center of the rear of the door. With the stop used in this manner it is thought the door will be more apt to strike square and not be wrenched out of line. The door may be pulled from the casing in order to adjust the rear hanger, by simply inserting a knife blade at the side of the door, turning the stop one quarter way round, when the door will be free to pass out. When the door is pushed back the stop adjusts itself. Many advantages are claimed for this improved hanger. A full list of same with discounts to the trade will be forwarded upon request of the manufacturers.

A Chance For Dealers.

In a special card on page 2 of this issue, P. M. Sharples, of West Chester, Pa., makes an announcement that will be of interest to the Hardware trade. This is concerning the Sharples Farm Cream Separators, of which there are over 15,000 in daily use at this time. This is described as an article which a Hardwareman can handle to first-class advantage, and which will sell to dairymen on sight. The manufacturer will be pleased to hear from a number of good houses in various parts of the country where agencies have not already been established, and will send full printed matter, illustrating and describing the article, on application.

Mr. Sharples has recently taken an order for five hundred of these separators, which is the largest order from one party that was probably ever given for articles of this kind. He has published two entertaining books, one on "The Moody Iowa System of Cream Gathering," and another on "The Farm Cream Separators," each of which is filled with valuable information, not only concerning the character of these goods, but also the advantages arising from their use, and the special advantages to be obtained through handling and selling the same. These books will be sent on application, and it would well repay any Hardwareman anywhere to investigate.

Special attention is called to the announcement of the Smith & Egge Mfg. Co., Bridgeport, Conn., on page 18 of today's issue. This company whose fame has extended into every quarter of the globe, have a large and well-equipped factory arranged for the manufacture of Hardware specialties of any character, or sheet metal novelties. Any who have in view the manufacture of articles in these lines, but do not wish to establish a factory of their own, will do well to correspond with this well-known establishment in relation to terms, etc. The Smith & Egge Mfg. Co. need no introduction to the trade anywhere, as the character and quality of the goods they have long been manufacturing, are their best introduction.

William Connors, proprietor of the Troy Paint & Color Works, Troy, N. Y., has issued a handsome and attractive leaflet showing sample colors of his American Seal white lead or ready mixed paint. All the shades known to the trade are depicted on this card in tablets of an inch square, some thirty-two in number. Accompanying this is a great deal of useful information for the benefit of the retailer or user, and also much valuable information as to the character and quality of these first-class goods.

The Lowry Hardware Co., dealers in cutlery, bicycles and Hardware notions, Atlanta, Ga., has changed its corporate name to the Anderson Hardware Co., the stockholders and officers remaining the same.

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THE MAKING OF CRUCIBLES.



The following able and entertaining address on "Crucible Making, and How they Should Be Cared For, "was delivered by John A. Walker, vice-president and general manager of the Joseph Dixon Crucible Co., Jersey City, N. J., at the convention of the American Foundry Men's Association, held in Detroit on May 10th, 1897:

To the last half of the nineteenth century—just closing in such a blaze of metallurgical and industrial glory—belongs the graphite industry; so much so, in fact, that graphite has become one of the great factors in our modern civilization.

To speak mineralogically, graphite belongs to the coal family, and is classified with the carbon minerals.

To speak chemically, it is a pure carbon, and has substantially the same analysis as charcoal and the diamond.

To speak geologically, it occurs only in the oldest archaic rocks, and is the product of an unmeasurable heat.

To speak electrically, it is one of the best conductors of the subtle electric current.

And to speak colloquially, it has entered every civilized home in the form of stove polish for the kitchen, and the lead pencil for the library.

It has revolutionized methods in metallurgy by its use in the making of crucibles or melting pots.

As a mineral it crops out all over the globe, but as an ore of a suitable quality, and in sufficient quantity to pay for mining and refining, it is confined to three or four well-known localities.

The most notable product of the graphite industry for foundry men is the graphite crucible, or melting-pot.

Crucibles, or melting pots, of some description, have, of course, been used since the first fusion of metals by man. We all know the legend that the earlier alchemists marked their crucibles with a cross (hence the word "crucible"), to prevent the devil from interfering with the chemical operations about to be performed. This legend, whether true or not, shows the antiquity of the melting-pot.

Before the present century, crucibles were made chiefly of sand and clay, but what we know as the modern graphite crucible, more commonly known as plumbago, or black lead, was originated in the year 1827 by Joseph Dixon, then living at Salem, Mass. So it is to the present century, and to an American, that the world owes this useful invention.

In its broadest sense, a crucible is the vessel in which a fusion of some substance is conducted. Crucibles differ widely, according to the substance to be fused and the object of the fusion. They differ in composition, shape, and size, from the tiny platinum crucible of the laboratory, and the average melting-pot for brass or steel melting, to the fifty-ton hearth of the modern steel furnace.

Crucibles are used in every laboratory and every scientific shop, but chiefly in the foundry for the fusion of metals and alloys.

There are now in use, in various parts of the world, platinum crucibles for laboratory work, sand crucibles so-called, made from Hessian clay and sand, straight-out clay crucibles made from English clay, and the melting-pot known to all foundrymen as black lead, or plumbago, crucible, which is, more correctly speaking, the graphite crucible.

While the use of the Hessian sand crucible still lingers among assayers, and while English steel-makers still cling to the use of the one-heat clay crucible, the vast bulk of all the metals and their alloys is fused in the modern graphite crucible.

As before mentioned, graphite crucibles were first made in 1827 by an American. Later the American taught the Englishman, and still later the practice traveled to France and Germany, Japan and China; and now, to the best of my knowledge, the making of the graphite crucible is confined to France, Germany, England, Japan, China and America. America, however, has taught the world.

The theory of the graphite melting-pot is that, vastly better than anything else, it is a ready conductor of heat, and at one and the same time it is both strong and elastic. Again, it is refractory and durable. Being the best conductor of heat, the coal bill is minimized and quick melting possible. Being strong and elastic, it stands all reasonable shocks and accommodates itself to radically different temperatures. Being refractory, the most stub-



JOHN A. WALKER.

born metals succumb and become fluid long before the walls of the pot show the slightest sign of collapse.

The making of crucibles is based on a well-defined theory, and the crucible-making plant should be under the sharpest supervision of its manager and his trained assistants. They must be possessed of the latest knowledge of metals and their alloys, of furnaces, of fuels, of fluxes, and of the mechanics and the chemistry applied by the people who use their crucibles.

A successful crucible-maker must make constant chemical analyses of his materials, and he cannot have too much knowledge of the broad lines practised by his customers.

The fusion-point of different metals is vastly dissimilar. This must be taken seriously into account. For instance, the crucible made for steel-melting is useless in a brass foundry. It is far more refractory, it is true, but if the brass-melter employed a crucible intended for steel-melting, it would slowly wither away in his lower temperature, where it would behave beautifully in a furnace with heat 1000 degrees Fahrenheit higher.

Intimate knowledge of fuels and their functions is also absolutely necessary to the crucible-maker. He must know not only the behavior of the several fuels, as coal, coke, gas, and perhaps electricity, but also the quality of these several fuels, as not only a change from coal to oil,

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but a simpler change of from one coal to another, has an intimate bearing on the life of a crucible.

Again, the crucible-maker should know the nature of the fluxes used, and try to be informed of the crucible-user's preference in fluxes. These fluxes chiefly attack the binding materials in the walls of the melting-pot. To some fluxes these binding materials are impervious, to others they are an easy prey.

Again, by slow and almost unperceived steps a very large use of the more fusible alloys has come, and come to stay. The market demands denser and stronger castings, and for this the fusion must be much more fluid. Hence the rapidly increasing use of phosphorus, aluminum and manganese.

The use of these alloys not only adds strength and density to the castings, but promotes the fusion and increases the fluidity. This raises the question of the porosity or permeability of the wall of the pot.

If the crucible with these extra fluid fusions is not well chosen, or should it contain hair-line cracks, invisible to the naked eye, this very fluid mass will find such cracks and prepare the way for a leak. The day has passed when a crucible is simply a crucible, or when one kind will suit all fusions, all fluids, all fluxes, and all furnaces, or, to change the putting of it, there are graphite crucibles and graphite crucibles. It is not sufficient that the mixture carries graphite, the crucible must be speedily adapted to its particular service.

For causes of failure, or unreasonably short life, in a crucible, we may mention:

First. The wrong kind for the service; either a pot unsuited to the furnace, to the metals, or to the fuels. Every up-to-date shop is now equipped with fierce drafts, taller stacks, corrosive fluxes, so that the old-time two and one-half to three hours' heat has dropped to one and one-half and one and three-quarter hours. Don't expect the crucibles to stand this extraordinary strain unless you are equipped with a crucible made with a knowledge of the special situation.

Second. The life is shortened by rough handling, a great deal of which is unavoidable. The melter's job is a hard one; he works always in an atmosphere of excessive heat; his eyes are invariably in distress; he lifts heavy weights of seething molten metal; he literally earns his bread not only by the sweat of his brow, but of his whole body; his work taxes his every nerve and every muscle. Not much wonder then that now and then the tongs squeeze a pot to a crack, or he flinches from the sometime extra care necessary.

Third. The life is shortened by corrosive fluxes. These fluxes are introduced to promote fusion and give clean slags. The crucible-maker does not know what the melter will use. The melter does not always know the destructive influence of his flux on the walls of his particular melting-pot.

I must ask great respect for the graphite crucible. There are not many men, and not many things in this world for which there are not substitutes, but for the graphite crucible there is no known substitute. It is a fragile thing, and you ask it to do and stand what nothing else in this wide world can do or can stand.

By the widening of Elm Street, New York, which will be proceeded with at once, the Colwell Lead Co. will lose a portion of their property which is now located on the line of the contemplated thoroughfare. They consequently purpose to remodel and improve their plant by erecting a high building on the corner of Centre and Pearl Streets, as well as several additions within their present lines that will provide needed accommodations for the departments of their business disturbed by the widening process.

The Michigan Hardwaremen.

The annual meeting of the Michigan Hardware Association will be held at Battle Creek, Mich., on Wednesday and Thursday, July 14th and 15th. The programme for the two days will be as follows:

WEDNESDAY, JULY 14TH. AFTERNOON SESSION, 2 O'CLOCK.

Address of Welcome, Mayor Metcalf.
Response, H. C. Weber, President.
Roll Call.
Selecting Committee on Credentials.
Recess.
Report of Committee on Credentials.
Annual Address by the President.
Reading of the Minutes.
Report of Secretary and Treasurer.
Report of Standing Committees.
Report of Special Committees.
New Business.
Paper—The Best Method of Creating and Maintaining Harmony Between Manufacturers, Jobbers and Retailers, J. B. Sperry, Port Huron.
Discussion.
Adjournment.

EVENING SESSION, 7:30 O'CLOCK.

Paper—Is the Department Store a Benefit or Detriment to the General Public? A. K. Edwards, Kalamazoo.
Discussion.
Paper—The Most Systematic and Simplified Form of Conducting our Day's Sales to Avoid Oversights in Making Charges, Credits, etc., Edwin D. Warner, Jackson.
Discussion.
Paper—Bicycle, H. W. Webber, West Bay City.
Adjournment.

THURSDAY, JULY 15TH. MORNING SESSION, 9 O'CLOCK.

Unfinished Business.
Election of President.
Election of Vice-President.
Election of Secretary and Treasurer.
Election of Two Members of Executive Committee.
Election of Investigating Committee.
Election of Transportation Committee.
Appointment of Entertainment Committee.
Adjournment.

The officers of the Association are: President, H. C. Weber, Detroit; Vice-President, C. F. Bock, Battle Creek; Secretary and Treasurer, H. C. Minnie, Eaton Rapids.

Executive Committee, *ex-officio:* H. C. Weber, Detroit; C. F. Bock, Battle Creek; H. C. Minnie, Eaton Rapids; Edw. A. Moye, Marquette; J. B. Sperry, Port Huron; C. M. Chamberlin, Kalamazoo; T. A. Harvey, Saginaw.

Investigating Committee: W. J. Boyce, Port Huron; S. P. McDonell, Bay City; T. Frank Ireland, Belding.

Transportation Committee: T. A. Harvey, Saginaw; J. W. Drury, Detroit; Sidney F. Stevens, Grand Rapids.

Entertainment Committee: C. F. Bock, Battle Creek; Frank M. Brockett, Battle Creek; V. C. Wattles, Battle Creek.

At the meeting of the File Manufacturers Association of the U. S., held at the Astor House, New York, June 16, the following officers were elected: President, Elias G. Heller of Newark; vice-president, Henry Barnett, Philadelphia, and secretary and treasurer, Courtlandt C. Clarke, New York. At the above meeting the new price list of files and rasps, which we give complete on another page, was agreed to and adopted.

The debt contracted by Spain to subdue Cuba amounts to about $400 to every citizen of Cuba, and in case of Spain's success Cubans will be compelled to foot the bill if it is ever paid.—*Michigan Tradesman.*

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IOWA HARDWARE JOBBERS.

The Iowa Hardware Jobbers' Association held its annual meeting in Davenport, Iowa, on June 28th and 29th. Heretofore it has been the custom to hold the meetings at the hotels, but this year was a deviation from the rule, and the president of the association, Col. J. R. Nutting, opened his beautiful residence on East Front Street to them. In addition to holding the sessions there, all of the members were entertained at lunch at 1 o'clock. The occasion was one of the most delightful in the history of the association, and the members were greatly pleased and free in expressing their appreciation of the hospitality of their president and his accomplished wife.

Most of the members, which include the leading Hardware jobbers in the State of Iowa, arrived in the morning and were present at the opening session at 10 o'clock.

At 9 o'clock the members, upon invitation, assembled at the Sickels, Preston & Nutting Co.'s large store on Third Street, between Brady and Main, and were shown through from the main floor to the roof, thereby being enabled to get a splendid view of the business portion of the city. Shortly before 10 o'clock they took a car for Col. Nutting's residence The gentlemen were somewhat disappointed at the failure of T. James Fernley, secretary of the National Hardware Association, of Philadelphia, to be present. A telegram was received, which announced that his train was five hours late and could not get there until at night. The majority of the members of the association decided, therefore, to remain over in order to meet him.

MORNING SESSION.

The morning session opened in the southeast parlor of Col. Nutting's home. All of the members in the city were present, with the Colonel presiding. The opening matters of the meeting, with the exception of the reading of the minutes of the last preceding meeting, were of an informal nature and pertained to matters of general interest to the jobbing trade in Iowa.

The session lasted until nearly 1 o'clock, when an adjournment was taken. Shortly after the gentlemen were invited to the dining hall, where luncheon was served.

The tables were beautifully decorated with cut flowers and smilax. There were twelve covers laid, and at each plate was a beautifully hand-painted souvenir, in design emblematical of the trade. They were in the form of hatchets, axes, shovels, coal hods, pails, tubs, and articles handled by the Hardware merchants, most elegantly executed. In the center of the table was a huge bunch of American Beauty roses, and at either end a floral design representing, at the one end a spade, and at the other a tub, while here and there were trailed smilax in pretty designs. Mrs. J. R. Nutting, as hostess, personally presided at the luncheon. The delicate viands were served in courses, and at the close of the repast cigars were passed. While enjoying their flavor some very witty and pleasing remarks were indulged in by the gentlemen present, in response to impromptu invitations by the president.

In the afternoon an invitation was extended by Col. Nutting to take a drive, and the entire party was taken to the government island, and returning were shown a number of places of interest about the city. In the evening they were invited to Black Hawk's Watch Tower for dinner.

SECOND DAY'S SESSION.

At the second day's session of the Iowa Hardware Jobbers, a good deal more was accomplished in a business way than was done on the first day.

The members of the association accepted the invitation of Col. Nutting to take a drive upon the government island and inspect the arsenal. Commandant Capt. E. S. Blunt was exceedingly kind to them and took them through the entire works explaining the contemplated improvements and giving them any amount of valuable information concerning the arsenal and its workings. After they had passed through the buildings he took them to his residence and treated them to refreshments before departing across the river.

The important feature of the evening was the arrival of Secretary Fernley, of Philadelphia, the secretary of the National Hardwaremen's Association. He was present at the meeting in the forenoon and addressed the members.

At the morning session occurred the election of officers of the association. All of the retiring officers had signified their desire that there be a rotation of office, and therefore declined re-election. The election resulted as follows:

President: J. P. Patrick, of Des Moines.

Vice President; W. H. Kolbach, of Oscaloosa.

Secretary and Treasurer: Charles Otto, of Burlington.

It was decided to hold the next quarterly meeting of the association at Des Moines the third Wednesday in September next.

This closed the work of the morning session, and an adjournment was taken until 2 o'clock, when the closing session of the meeting took place.

The session was of an informal nature and was devoted to Secretary Fernley exclusively. He requested all of those present to deposit written questions which they would like to have answered, in a hat, and then answered each as he came to them. Mr. Fernley devotes his entire time to the meetings of state and district associations, and in this way gathers and disseminates valuable information to the trade in different parts of the country.

The meeting was very interesting in every way. Every firm belonging to the association was represented at the meeting, with the exception of four, who were unable to get there on account of sickness. These sent letters explaining their absence. Those who were there were delighted with the city and the treatment they received at the hands of the retiring president and his estimable lady, Col. and Mrs. J. R. Nutting.

Cushman & Denison: New Blood In An Old Firm.

George F. Wilcoxson has recently become a partner in the old established firm of Cushman & Denison. As is well known, this firm is one of the oldest in the cycling trade. Established in 1883, they have made a specialty of Oilers, which articles they manufacture for a large part of the trade. Although their "Perfect" and "Star" oilers are staple articles, and have always been acknowledged leaders in their lines, they are still the subject of constant study and continual improvement. Mr. Wilcoxson was formerly general eastern agent of the Mexican National railroad, with headquarters in New York city. He is an enthusiastic cyclist and ardent believer in the merits of the "Perfect" Pocket Oiler. His past record as a hustler is a guarantee that the oilers will continue to be well made, well advertised and well handled generally. Mr. Wilcoxson agrees with the old firm, that "an oiler can not be made too good." There will be no change in the firm name or in its policy, which will continue to have for its motto as in the past: "The best oilers possible at the best price possible."

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NEW GOODS AND SPECIALTIES.

Whiting's Ratchet-Action Wrench.

Whiting, Macomber & Whiting, South Framingham, Mass., are engaged in manufacturing Whiting's "Ratchet-Action" Wrench, a new article possessing original features that commend it to all dealers in goods of this character,



FIG. 1.

or machinists' and manufacturers' supplies. It is claimed that the principle underlying its construction, "is the outgrowth of years of experiment by an expert mechanic, to meet his own needs; and has been amply, thoroughly and severely tested in actual every day use." We present herewith illustrations of this unique tool, showing the originality of its construction. Fig. 1 shows the wrench when adjusted to nut, while the nut is being turned to place. Fig. 2 shows the action of the wrench while being turned backward to get a new grip upon the nut. In its practical working it is a ratchet wrench, but with no rack or teeth to wear out. It is made with a sliding lower jaw, with nut and screw adjustment, similar to that used in the best monkey wrenches already on the market. The upper jaw is pivoted, and swings back enough to allow the nut to pass the lower jaw; it is held in its normal position by a spring

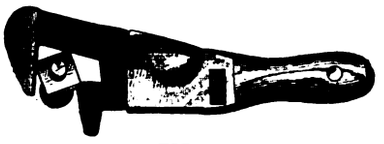


FIG. 2.

which is protected by a guard, to limit the backward movement and prevent weakening the spring. After being adjusted, the wrench is not removed from the nut; by simply moving the handle back and forth sufficiently to take a quarter or half turn, the nut is quickly tightened. When in the operation of unscrewing, the wrench is held reversed. Using only the best material in its construction, the manufacturers state they make a wrench every part of which undergoes a rigid inspection. They are made of steel throughout, the spring being oil tempered and the jaws carefully case hardened by an improved process. They are finished for service, and are fully warranted. Prices and discounts furnished upon request by the manufacturers.

F. E. Kohler & Co.'s Specialties.

F. E. Kohler & Co., Canton, Ohio, are manufacturers of a large line of Hardware specialties among which are a number which have achieved a wonderful success, and are

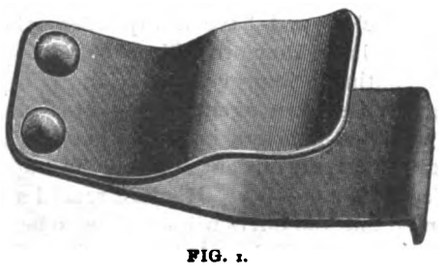


FIG. 1.

regarded by the Hardware trade as being exceptionally good sellers. We illustrate herewith a few of these novelties, which have become staple goods in many Hardware stocks. Fig. 1 is the "Invisible Anti-Rattler" which when inserted in the coupling is practically invisible, and yet cannot get out of position; it effectually prevents any rattling, and in placing them, it is not necessary to remove the bolt or shaft. They are held firmly in place by a spring tension. They are made of fine cold rolled spring steel and are warranted to preserve their strength and

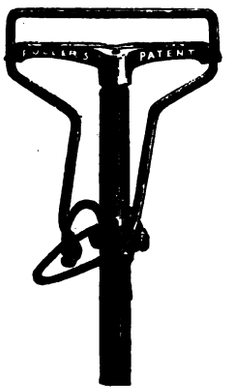


FIG. 2.

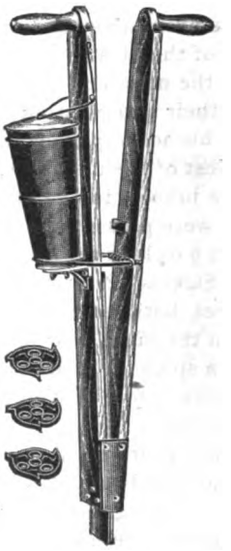


FIG. 3.

elasticity, and not to bend or break with ordinary use. Fig. 2 illustrates the "Fuller Patent Mop Stick," the simplicity in the adjustment of which is apparent at a glance. Fig. 3, showing the Eclipse Corn Planter, represents an article that has met with a large sale which is still on the increase. It has a positive feed, and possesses four changes of disks, one being for seed or broom corn. It is claimed by the makers to be the easiest operating planter on the market.

The National Sausage Stuffer.

The National Specialty Mfg. Co., Lehigh Avenue and Third Street, Philadelphia, Pa., are placing upon the market the new National Sausage Stuffer which combines in

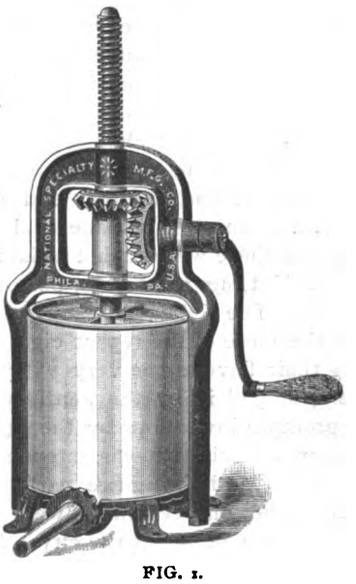


FIG. 1.

its construction many features of excellence, which will be found to increase its present popularity very greatly. The machine consists of an iron frame-work, which sustains an upright screw shaft that is operated by a pair of gears. This method of construction, the accompanying cut

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shown in Fig. 2 graphically illustrates. A removable plunger plate is attached to the lower end of this shaft, which is intended to work within the iron cylinder that is placed in the base of the frame; and within the cylinder is a tin strainer of the same shape as the cylinder which, with a strainer bottom plate, is also removable. A smaller plunger plate is also supplied with each machine. When the machine is used for sausage stuffing the large plunger

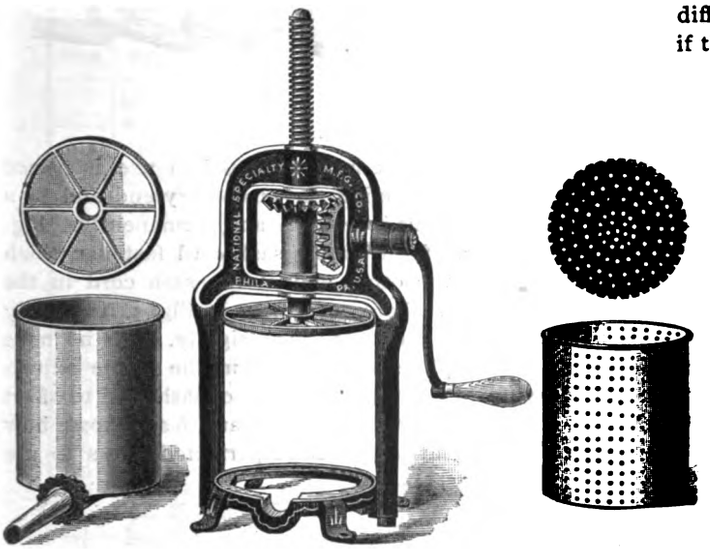
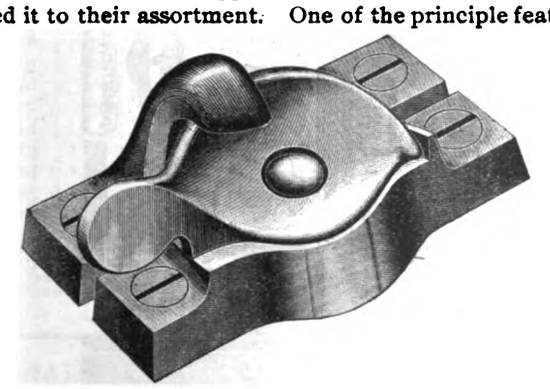


FIG. 2.

plate is utilized and the strainer and bottom plate are then removed from the cylinder. The machine can also be used as a lard compressor and fruit strainer; in Fig. 1 it is shown in proper position to be used as it may be desired. It is furnished in two styles of finish, one having all parts japanned and ornamented, and the other having japanned and ornamented frame, but all the parts coming in contact with the meat, etc., tinned with pure tin. It is supplied in 2, 4 and 8 quart sizes, and prices and trade discounts will be furnished upon application.

The Fitch Sash Lock

W. & E. T. Fitch Co., New Haven, Conn., are manufacturing and distributing through the Hardware trade, the Fitch Sash Lock which we illustrate herewith. Among the numerous devices for securing windows, it is a rare thing to find any great originality in their construction, but the Fitch Sash Lock presents points of interest that give evidence of an inventive ability that has secured for it a very extensive distribution through the Hardware trade, and the steady demand which has followed shows that its merits are acknowledged and appreciated by the dealers who have added it to their assortment. One of the principle features



of this sash fastener is the simple device by which positive security is obtained in its use; it adjusts the sash to a rigidity in position by which all rattling is avoided, and without any disfigurement of the top sash, the window can be kept locked or unlocked with comfort and convenience. The manufacturerers take pleasure in stating that "the sash lock is growing rapidly in public favor and is becoming a notable staple article of builders' Hardware, which for the purpose intended, can safely be relied upon." Catalogues and discounts furnished by the manufacturers upon request.

The Matchless Mop Wringer.

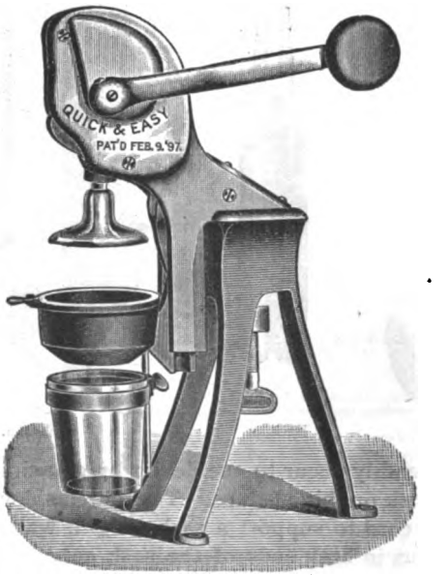
The Matchless Mop Wringer Co., Canton, Ohio, which is a newly organized company, are putting on the market to reach the Hardware and housefurnishing goods dealers, a new and improved Mop Wringer, the style and operation of which are shown in the illustration herewith. All the different parts of this wringer are interchangeable, so that if through wear or other causes, a new part becomes neces-



sary, it is readily supplied. The rollers are made from hard maple, and attached to these are a pair of strong springs that can always be adjusted to the proper tension, so that when the mop is drawn upwards between the rolls it is wrung perfectly dry. The wringer is made in a thoroughly compact and convenient form, and occupies but a small portion of the bucket when in use. The wringer, bucket and mop combined, are made to be sold at the popular price of $1.50 a set, with a liberal discount to the trade. There can be but little doubt it will meet with a large sale when its merits become thoroughly known and its fame extended. The company state they are catching up on their advance orders, and are now prepared to ship all orders promptly.

Quick and Easy Lemon Squeezer.

The Erie Specialty Co., Erie, Pa., always alive to the wants of their patrons, have placed on the market an iron stand on which to clamp their now celebrated Quick and Easy Lemon Squeezer. This stand will be much appreci-



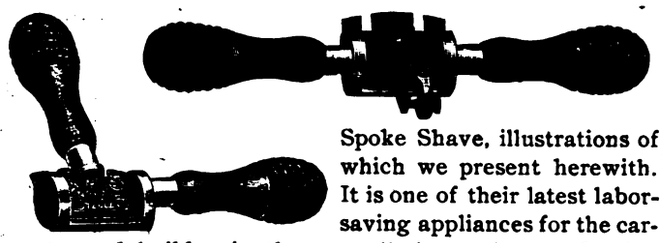
ated by those who wish to use it on street lemonade stands or where the room is small, as with the stand it can be used in any place. This Quick and Easy Lemon Squeezer, while only one year old, has come to the front and is now recognized by the trade as a most complete machine for

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extracting juice from lemons, oranges and limes; the saving in juice alone pays for itself, and the parts coming in contact with the acid being made from heavy cast aluminum, will not corrode, thus insuring the juice being perfectly pure. Catalogue giving full description of all goods made by this firm will be sent on application.

The Stanley Universal Spoke Shave.

The Stanley Rule & Level Co., New Britain, Conn., and No. 29 Chambers Street, New York, are manufacturing and distributing through the Hardware trade the Universal



Spoke Shave, illustrations of which we present herewith. It is one of their latest labor-saving appliances for the carpenter and builder, in the annually increasing production of which this company has been noted for many years. In the construction of the Universal Spoke Shave, it is provided with two detachable bottoms, which enable its adaptation with equal facility to either straight or circular work, and by means of a movable width gauge, the tool can be used in rabbeting. Its usefulness is greatly extended from the fact that both handles are detachable and either of them can be screwed into a socket on top of the stock, thus enabling the workman using it to work into corners or panels; features that are regarded by the trade as of considerable importance, and greatly increase its popularity.

Sash Cord and Sash Weight Fastener.

Tower & Lyon, Nos. 95 Chambers and 77 Reade Streets, New York, are placing before the Hardware trade one of the most useful little novelties in the builders' Hardware line with which the trade has been favored in a long time. It is difficult to imagine the important part played by a number of trifling specialties throughout a line of general Hardware, little things not of very great value intrinsically, and yet labor saving in a way that once seen is fully appreciated, and the utility recognized so readily they become staples in the dealer's stock forever after. Many of

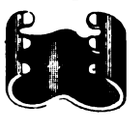


FIG. 1.



FIG. 3.



FIG. 2.

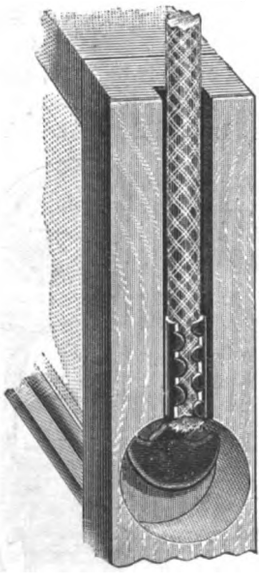


FIG. 4.

these will readily occur to the dealer by glancing his eyes over the stock on his shelves. The old fashioned way of fastening a cord to support a sash weight, was usually by making knots in both ends of the sash cord; one running through the eye of the weight, the other placed in the slot in the sash, which upon any dampness being manifest in the atmosphere, would swell up, bind the sash and create trouble for the householder. The knot when made was not considered entirely secure from slipping, until a nail was driven through it, and that was usually the source of more annoyance. Now all such old fogy methods are rendered obsolete by the simple contrivances struck up out of strong sheet steel and forming the useful appliances shown in this article by the several illustrations. Fig. 1 shows the little Sash Weight Fastener which supersedes the knot, and as

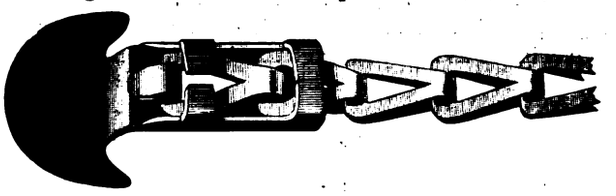


FIG. 5.

shown in Fig. 2, where it is represented in use, is placed about the two cords forming the customary end and by a proper pressure fastens it securely and permanently. Fig. 3 is an illustration of the simple sash cord fastener which fastens and holds the other end of the sash cord in the frame of the sash, where, as shown in Fig. 4, it is easily placed in position and held there rigidly, with no nails necessary to complete the job, and in the whole adjustment a saving of more than enough of sash cord to offset the cost of the fasteners. In Figs. 5 and 6 are shown how the idea has been carried out and perfected so as to use

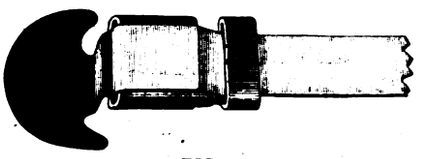


FIG. 6.

the fastener on the sash chains now so popular, where heavy sashes have to be hung; and also on the sash ribbon which have in many localities been found to be an improvement on sash weights so important and desirable as greatly to extend their use. The amount of time, trouble and annoyance that can be spared the carpenter by these simple specialties, should result in their being found in every Hardware stock in the country, the prices asked for them being so nominal as to greatly increase their deserved popularity.

Home Repairing Outfits.

The Root Bros. Co., Plymouth, Ohio, have long been identified with the manufacture of outfits of tools and materials by which home repairing is greatly facilitated and encouraged thereby. They have recently greatly improved



their "Home Repairing Outfit No. 1," which we illustrate herewith, principally in the iron lasts and stands, making the outfit now consist of forty-four separate articles, which being of full size possesses great utility. The explicit directions which accompany the same would enable anyone with the slightest ingenuity to do all the ordinary repairing re-

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FILE MANUFACTURERS ASSOCIATION OF THE UNITED STATES — SEAL

PRICE LIST OF FILES AND RASPS

Adopted at a Meeting held in New York, June 16th, 1897, by the

File Manufacturers Association of the United States,

AS THEIR SELLING LIST PER DOZEN,

To take effect on and after July 1st, 1897.

INCH.	MILL AND ROUND.			FLAT.		
	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth
4	2.20	2.60	2.90	2.70	3.20	3.50
5	2.40	2.80	3.10	2.90	3.40	3.70
6	2.60	3.00	3.30	3.20	3.60	3.90
7	2.90	3.40	3.70	3.60	4.10	4.50
8	3.20	3.70	4.00	3.90	4.50	4.90
9	3.70	4.30	4.70	4.70	5.40	5.90
10	4.20	4.80	5.20	5.20	6.00	6.50
11	5.00	5.80	6.30	6.40	7.30	8.00
12	5.60	6.40	7.00	7.20	8.20	9.00
13	7.00	8.00	8.70	8.80	10.10	11.00
14	8.00	9.10	9.80	9.90	11.40	12.40
15	9.80	11.10	12.00	11.90	13.60	14.90
16	11.00	12.50	13.40	13.30	15.00	16.60
17	13.50	15.10	16.20	16.00	18.00	19.70
18	15.10	16.90	18.10	17.80	20.00	21.80
19	18.30	20.50	21.90	21.20	23.60	25.80
20	20.40	22.90	24.50	23.50	26.30	28.50

Mill Blunt, Dbl. Cut, adv 2 in.
Mill Dbl. Cut, 1 "
Mill Narrow Point, 1 "

Cant (Blunt) Dbl. Cut advance 2 in.

INCH.	SQUARE.		
	Bastard	2d Cut	Smooth
4	2.80	3.40	3.70
5	3.10	3.60	3.90
6	3.40	3.80	4.10
7	3.80	4.30	4.70
8	4.10	4.70	5.20
9	4.90	5.70	6.20
10	5.50	6.30	6.80
11	6.80	7.70	8.40
12	7.60	8.60	9.50
13	9.30	10.60	11.50
14	10.40	12.00	13.00
15	12.60	14.30	15.60
16	14.00	15.80	17.40
17	16.80	18.90	20.50
18	18.70	21.00	22.60
19	22.10	24.80	26.60
20	24.40	27.30	29.30

Square Blunt, advance 1 in.

HAND AND PILLAR.		
Bastard	2d Cut	Smooth
2.70	3.20	3.60
2.90	3.50	3.90
3.20	3.80	4.20
3.70	4.30	4.70
4.00	4.70	5.00
5.00	5.80	6.20
5.60	6.50	7.00
7.00	8.10	8.80
8.00	9.20	10.00
9.90	11.30	12.10
11.10	12.70	13.50
13.40	15.30	16.20
15.00	17.00	18.00
18.00	20.20	21.30
20.00	22.30	23.50
23.70	26.40	28.00
26.10	29.20	31.00

Slotting (Blt.) adv. 2 in.
Cotter Blunt or Taper advance 2 in.

INCH.	HLF. RD. & THREE SQ.		
	Bastard	2d Cut	Smooth
4	3.60	4.20	4.50
5	4.00	4.50	4.80
6	4.50	5.00	5.30
7	5.20	5.70	6.10
8	5.60	6.20	6.60
9	6.30	7.00	7.40
10	6.80	7.50	8.00
11	8.00	8.80	9.40
12	8.80	9.70	10.40
13	10.50	11.50	12.30
14	11.60	12.70	13.60
15	13.80	15.20	16.20
16	15.30	16.80	18.00
17	18.40	20.10	21.50
18	20.50	22.30	23.80
19	24.40	26.60	28.40
20	27.00	29.40	31.50

Ginsaw, take Bastard price.
Crossing, adv. 2 in.
Tumbler, " 2 "
Feather Edge (Blunt) " 2 "
High Back } " 2 "
Half Round }

WARDING.		
Bastard	2d Cut	Smooth
3.00	3.60	4.00
3.30	3.90	4.30
3.70	4.40	4.80
4.40	5.10	5.60
4.80	5.60	6.10
5.80	6.70	7.40
6.50	7.50	8.20
8.10	9.40	10.20
9.20	10.60	11.50
11.30	12.90	14.00
12.70	14.50	15.70

Stavesaw.
8 inch, $7.00

Stavesaw Improved.
6 inch, $4.80
7 " 5.50
8 " 6.00
9 " 7.20
10 " 8.00
12 " 11.50

INCH.	MILL. ONE ROUND EDGE.			MILL. TWO ROUND EDGES.		
	Bastard	2d Cut	Smooth	Bastard	2d Cut	Smooth
4	2.50	2.90	3.30	2.80	3.30	3.60
5	2.70	3.20	3.50	3.00	3.50	3.90
6	2.90	3.40	3.70	3.30	3.80	4.10
7	3.30	3.90	4.20	3.70	4.30	4.60
8	3.60	4.20	4.50	4.00	4.60	5.00
9	4.30	4.90	5.30	4.80	5.40	5.90
10	4.70	5.40	5.90	5.30	6.00	6.50
11	5.70	6.50	7.10	6.30	7.30	7.90
12	6.30	7.20	7.90	7.00	8.00	8.80
13	7.90	9.00	9.80	8.80	10.00	10.90
14	9.00	10.20	11.00	10.00	11.40	12.30
15	11.00	12.50	13.50	12.30	13.90	15.00
16	12.40	14.10	15.10	13.80	15.60	16.80
17	15.20	17.00	18.20	16.90	18.90	20.30
18	17.00	19.00	20.40	18.90	21.10	22.60

INCH.	TAPERS.	
	Single Cut	Double Cut
3	1.50	1.90
3½	1.50	1.90
4	1.60	2.10
4½	1.80	2.30
5	2.00	2.60
5½	2.20	3.00
6	2.50	3.50
7	3.20	4.20
8	4.00	5.00
9	4.90	6.00
10	6.00	7.20
11	8.00	9.00
12	9.30	11.00
13	11.80	13.00
14	13.50	15.30

SLIM TAPERS.	
Single Cut	Double Cut
1.50	1.90
1.50	1.90
1.60	2.00
1.70	2.20
1.90	2.40
2.10	2.60
2.30	3.00
2.80	3.30
3.30	3.90
4.00	4.70
4.80	5.60
6.20	7.20
7.10	8.20
9.00	9.80
10.30	11.50

BANDSAW. BLUNT & TAPER.	
Regul'r	Slim
1.90	1.90
1.90	1.90
2.00	2.10
2.30	2.20
2.60	2.40
3.00	2.60
3.50	2.90
4.20	3.30
5.00	3.90
6.00	4.70
7.20	5.60
9.00	6.80
11.00	8.20
13.00	9.80
15.30	11.50

INCH.	PIT SAW.	CANT SAW.	CROSS CUT.	HOOK TOOTH.	Planer Knife.	Inserted Tooth, or Chisel Tooth
	Single Cut	Single Cut	Single Cut	Single Cut	Single Cut	
4	3.60	3.20	3.60	.....	.....	.....
5	4.00	3.50	4.00	.....	.....	.....
6	4.50	4.00	4.50	5.00	.....	.....
7	5.20	4.50	5.20	5.70	.....	.....
8	5.60	4.80	5.60	6.20	4.80	6.20
9	6.30	5.80	6.30	7.00	.....	7.00
10	6.80	6.50	6.80	7.50	6.40	7.50
11	8.00	7.70	8.00	8.80	.....	.....
12	8.80	8.50	8.80	9.70	9.00	.....

DOUBLE-ENDED TAPER.

6	7	8	9	10
2.60	2.60	2.90	3.20	3.70

INCH.	HORSE RASPS.			FILE RASPS.	
	Plain	Beveled and ½ Rasp	Tanged	Flat	Hf. Rnd
6	.....	.....	.....	5.50	6.00
7	.....	.....	.....	6.40	6.90
8	.....	.....	.....	7.00	7.50
9	.....	.....	.....	8.50	9.10
10	7.00	8.00	9.50	9.50	10.20
11	8.50	9.60	11.30	11.60	12.50
12	9.50	10.70	12.50	13.00	14.00
13	11.30	12.70	14.60	15.60	16.70
14	13.30	15.00	17.20	17.30	18.50
15	15.60	17.60	20.30	20.70	22.10
16	18.20	20.50	24.00	23.00	24.50

INCH.	WOOD FILES.		
	Flat	Hf. Rnd	Cabinet
6	3.20	4.50	6.00
7	3.60	5.20	6.90
8	3.90	5.60	7.50
9	4.70	6.30	9.10
10	5.20	6.80	10.20
11	6.40	8.00	12.50
12	7.20	8.80	14.00
13	8.80	10.50	16.70
14	9.90	11.60	18.50
15	11.90	13.80	22.10
16	13.30	15.30	24.50

WOOD RASPS.		
Flat	Hf. Rnd	Cabinet
5.50	6.00	7.50
6.40	6.90	8.70
7.00	7.50	9.50
8.50	9.10	11.60
9.50	10.20	13.00
11.60	12.50	15.40
13.00	14.00	17.00
15.60	16.70	20.00
17.30	18.50	22.00
20.70	22.10	25.30
23.00	24.50	27.50

INCH.	SHOE RASPS.		
	Flat	Hf. Rnd	Oval
6	6.00	6.00	6.90
7	6.90	6.90	7.50
8	7.50	7.50	9.10
9	9.10	9.10	10.20
10	10.20	10.20	12.50
11	12.50	12.50	14.00
12	14.00	14.00	16.70
13	16.70	16.70	.....
14	18.50	18.50	.....

LAST MAKERS' RASPS.
One inch adv. on Cabinet Rasp.

INCH.	KNIFE.		
	Bastard	2d Cut	Smooth
4	4.00	4.50	4.80
5	4.50	5.00	5.30
6	5.10	5.60	5.90
7	5.80	6.30	6.60
8	6.30	6.80	7.10
9	7.00	7.90	8.40
10	7.50	8.60	9.20
11	9.10	10.20	10.90
12	10.20	11.30	12.00
13	12.20	13.40	14.30
14	13.50	14.80	15.80

Sizes below 4 inches, not extended, take 4 inch price.
Half Inches not specified, take next higher full inch price.
Dead Smooth, double the price of Bastard Cut.
One Round Edge, advance 12½ per cent.

Blunt Files not specified, advance one inch on respective kinds and cuts.
Single or Float Cut not specified, on regular shapes take Double Cut price.
Equalings (Bellied), advance two inches on respective kinds and cuts.
Two Round Edges, advance 25 per cent.

Cuts not specified, made upon regular blanks, advance one inch on respective kinds and nearest cut.
Irregular Goods: all lengths above those listed, and files varying from standard sizes, to be classed as irregular and subject to special prices.

quired in connection with a household, farm or stable, and the saving therefrom would astonish the frugal householder. As many thousands of these repair outfits are already in use, there is a constantly increasing demand. Up-to-date Hardware dealers should carry them in regular stock, and all the leading Hardware jobbers are receiving orders from their customers. Full information and prices rnished by the manufacturers upon request.

HARDWARE costs only One Dollar a year.

The New Price List of Files and Rasps.

Above on this page will be found the new and revised price list of Files and Rasps adopted by the manufacturers of these goods at a meeting held in New York City on June 16th. The list was established to take effect July 1st.

The price list previously in use having been in existence since the latter part of 1885, had become unsatisfactory under current discounts, which had a tendency to make the

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net prices on many of the files greatly at variance with actual costs, and many of them unnecessarily low. By comparing the new and old lists, some changes will be noted in the classifications; warding files are separated from Hand and Pillar; Flat files from Square, etc. Some of the files have been advanced in price but slightly, while many of the very small sizes will be found much higher than before. There has been a great deal of care given to this price list in its compilation, and it would seem to be one that will stand the demands of the trade, and make further changes a long time coming. It is not intended, as we understand it, that any changes shall be made in the discounts now current, which are simply made to apply to the new price list, as the old prices are not to be used after July 1st, when the new prices become the regular standard list on which future transactions will be based.

F. E. Kohler & Co.

The establishment of F. E. Kohler & Co. is one of the widest known and most progressive of Canton's manufacturing institutions. The factories are located in East Tuscarawas Street, just west of the Ft. Wayne tracks and partly adjacent to these tracks. The articles and commodities manufactured have their trade demand largely by seasons, but some of these products are in demand by the trade all the year round, and the plant is kept running the year round. The concern is divided into two departments. The specialties manufactured in department No. 1 include the Chieftain hay rake, the Chieftain hay tedder, anti-rattlers, curry combs, can openers, furnace shovels, garden trowels, hand corn planters, hog ringers, hose menders, lawn rakes, lawn fountains, post hole diggers, spray pumps, saw sets, and numerous other Hardware specialties. Manager F. E. Kohler is the inventor of all these specialties made by the company. He stated, in answer to a reporter's query, that the season for the bulk of these goods is in the spring, and in consequence is practically over. "However, the trade for the past spring has been as good as any since '92, and the outlook for increasing trade is good," he continued. "We aim to keep the plant running all the time, and keep the business on the move." A month or so ago a splendid equipment for the manufacture of strap hinges was added to the plant. A fair business was the result at the start, and at present it is the principal trade in this department with a demand for the entire output. The past week has found the men working 13 hours a day making hinges. The equipment and arrangement of the shop is good. Department No. 2 is the wire nail department, and it is the only factory in Canton where wire nails of all principal sizes and styles are manufactured. This department was started last November and eight machines for the manufacture of wire nails are in operation. These machines are of the latest pattern, and are run by steam power. Their combined capacity is nearly a car load each day. The output is of the very best grade of nails, and all principal sizes and styles are turned out. The employes are working the machine 13 hours a day at present, and the trade prospects are very good. A large warehouse has been added to this department, which promises to be quite a prosperous enterprise. The plant of F. E. Kohler & Co. is seldom shut down except for necessary repairs.—*Canton (Ohio), Repository.*

Mother: Johnny, how often have I told you that you must not bolt your food?

Johnny: Guess 't isn't no worse to bolt my food than it is for you to turn the key on it when it's in the cupboard.—*Boston Transcript.*

When business is not business it is ruin.—*Hardware and Metal Reporter.*

Review of the Markets.

There is usually very little demand for goods during the present month, and trade is necessarily dull and quiet, assisted largely by a lessening demand from factory centers, where enforced idleness follows a closing for repairs and other purposes. Between the present date and August 1st no doubt this will change largely, and a steady overhauling of stock requirements will, among the wholesalers, make some encouraging conditions assume a proper importance.

The reports throughout the country are of a character that would make a good season's business among the possibilities, and preparations cannot be long delayed by which this feeling shall be made a certainty.

Wire Nails: Many of the mills closing for temporary repairs and general overlooking of plant requirements has made the stocks on hand gradually diminish, although orders have been extremely light and the demand has dropped to a lower ebb than usual for this season. Prices continue low; carload lots at mills being obtainable at $1.30 base, with the usual advance for small lots from store here in the city.

Cut nails are, if anything, in slower demand than wire nails, the price being unchanged at $1.20 for carload lots at mill. Smaller lots from store in New York at the customary advance.

Anti-Friction Metals: Magnolia Metal Co. announce the prices to the trade on the various metals of their manufacture as follows: Magnolia, anti-friction, 25 cents a pound; No Name, 18 cents a pound; Mystic, 8 cents a pound. At these prices the metals are furnished f. o. b. in either Chicago or New York.

Files and Rasps: Changes resulting from the adoption of the new list, which went into effect on the 1st inst., made a brisk trade in these indispensable adjuncts of a Hardware stock, inducing well-assorted orders during the latter part of June. As it is an advance on the average of ten per cent., it proved really the first incentive to order a good sized stock of a leading staple, which the trade has had for very many months. These goods have been run so low in price by pressure under competition, the change comes as a relief and will be well sustained, with a possible lessening of the discounts at a date not very remote.

THE PITTSBURG TRADE.

June was the first month of 1897 that ran ahead of the corresponding month in 1896. Trade is fairly active in seasonable goods; our city is cleaned out of scythes, and stocks are very low in forks, and hoes, snaths, etc. It is a good thing to clean up seasonable stocks, as the jobber will buy more freely for the next season when his stock is in this condition.

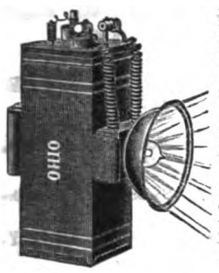
The Glorious Fourth has passed, and had a "red hot" reception in this part of the country. Thermometer has been 100 degrees in the shade for the past two days, but is now lower. The accumulation of mail prevents a longer letter to-day. LOGAN-GREGG HARDWARE CO.

THE COLUMBUS TRADE.

We are glad to report a continuance of good trade. We can truthfully say that we have had all we could do for the past two months. The demand for harvest tools was never better, and it has kept us busy to fill orders. Builders' Hardware has not been moving as fast as we would like to see it, but we think there will be an improvement in that line after harvest is over. Prices have not changed much since our last report. Wire and nails are same as last report. If the strike in mines and rolling mills continues long, prices will, no doubt, be higger. The new list on files will, no doubt, cause some trouble until dealers become familiar with the change. It is an advance of about 10 per cent. on staple sizes. In our opinion, files have been too low in price to keep the quality up to standard. Manu-

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WE UNDERSELL ALL.
It gives a Light that's White and Bright,
And two cents is the cost per night.



Bicycle Elec. Lights.	$4.0
Necktie Elec. Lights.	1.50
Edison Elec. Motors.	1.00
Battery Fan Motors.	5.00
$8 Medical Batteries.	3.95
$100 Bicycles, best make.....	39.00
$1.25 Bicycle Bells....	.50
Electric Bells, finest.	.30
Dry Batteries, best..	.25

Discount to Dealers.

Our Bicycle Electric Ligh is the best thing that ever happened. . . . .
Catalogues free.

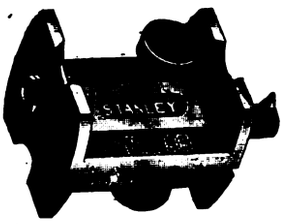
OHIO ELECTRIC WORKS, CLEVELAND, O.

IMPROVED
Labor-Saving
CARPENTERS'
TOOLS.

STANLEY
RULE & LEVEL CO.
New Britain, Conn.

SOLD BY ALL
Hardware Dealers.

STANLEY'S
IMPROVED BUTT GAUGE.



A Metallic Butt Gauge, having one bar with two steel cutters fixed upon it. When the cutter at the outer end of this bar is set for gauging on the edge of the door, the cutter at the inner end of the bar is already set for gauging from the back of the jamb. The other bar has a steel cutter to accurately gauge for the thickness of the butt.

The form of this Tool is convenient for carrying in the pocket. It is so constructed that the bars cannot fall out of the stock.

No. 95. Nickel-plated Butt Gauge, one in a box, $0.75

facturers are tempted to use a lower grade of steel when prices are too low.

The weather has been very hot for several days, and the 3rd, 4th and now the 5th have been scorchers. The festive fly is busy tickling your nose or the top of your cranium. It is cooler to have a head with a skating rink on the top of it, but "oh, my," what a picnic the flies do have! It is a good plan to wear a piece of fly-paper on the top of your head, but be careful and put the sticky side up. [A personal investigation, made at our expense, by the faculty of the Starling Medical College, of Columbus, demonstrates that Mr. Smith has the right to be called an expert on this theme.—*Editor Hardware.*]

Farmers are busy now cutting grass and wheat, and the crop of both is excellent; 75-cent wheat and $10-hay would make the farmers happy and put them in good shape to liquidate some of their indebtedness. To-day is being observed as the glorious 4th, and young (and old) America are demonstrating the fact that they have money to burn.

SMITH BROS. HARDWARE CO.

THE DAVENPORT TRADE.

Monthly statement day revealed less slow or bad accounts than it has shown for a year.

If dealers scanned merchandise credits as closely as they do money, there would be fewer losses from this source.

Fourth of July has again come and gone, with its usual accidents. Unearthly noise and racket are remnants of barbarism; educated Americans should devise some more cultivated means of expressing their patriotic feelings.

A three days' sirocco has left devastation and blight of cereal crops in the semi-arid regions, west and southwest of the Missouri River; farmers who do raise any grain this season will get a good price for it.

Money is plenty and in good demand for manufacturing and commercial uses. Prices of local bank stocks are advancing. Business continues to improve; advances that have been made in Hardware are well sustained.

Stocks in the hands of both wholesale and retail dealers are very light; conservative buyers are already contracting for goods in excess of present wants.

The two great strikes of iron, steel and tin workers and the United Mine Workers of America, are on. Before these lines are in print, a final vote on the tariff bill in the Senate will have been taken; soon after, there will in all probability be a nail rod pool and a wire nail trust formed; prices will advance; this will develop a speculative tendency that may send values up to a point reached in 1879.

SICKELS, PRESTON & NUTTING CO.

THE ST. PAUL TRADE.

We are fairly happy, having a fair amount of business, and good prospects for the coming fall. Crop prospects are fine, and unless something unexpected happens, and the price of wheat will remain about where it is, we can expect a good trade, lessened somewhat by the debts of our farmers, who, as a class, are improvident.

Wire and nails are still selling at cost in our market, about same as the Chicago price; while the difference in freight is 25 cents per 100 pounds, our trade gets this advantage. All of this is due to a manufacturer who is bound to sell all the goods.

C. W. HACKETT HARDWARE CO.

THE BALTIMORE TRADE.

Trade quiet, weather hot.

Taking that as a text, a space writer might give you a very interesting letter, but the art of saying something about nothing is given to few. Some of our brothers on the press, and many of our senatorial brethren at Washington, possess this faculty in a high degree. A keen sense of delicacy will not permit them to present the naked truth—it must be clothed in the raiment of fine words. If, as the philosophers teach us, "truth is the most beautiful thing in the world," and we couple to that the modern saying, "Beauty unadorned is adorned the most," then it must follow that truth without adornment—truth in all its nudity is the most beautiful thing in the world. So much for apology!

Avoiding any reference to the weather, we mentioned that trade was quiet. And so it should be. At this time of the year, in this market, it is always quiet, and we do not expect anything else. With a large number of our traveling men at home resting up, and one half of the clerical force away on vacations, how could it be otherwise? Sales for the month of June were very satisfactory,

STUBS' FILES & TOOLS.
S. J. ADDIS' LONDON CARVING TOOLS.
HAMMACHER, SCHLEMMER & CO.
DIRECT IMPORTERS
209 BOWERY NEW YORK.

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Seymour Cutlery Co., ESTABLISHED 1839.

—SUCCESSORS TO—

HENRY SEYMOUR CUTLERY CO.,

Office and Factory, Holyoke, Mass., U. S. A.

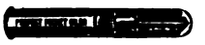
Seymour Shears ARE THE STANDARD.



Every pair is fully warranted and if found imperfect from any cause will be replaced with perfect shears.
No commission house is sole agent for the SEYMOUR SHEARS.
Notice our imprint on every paper pocket inclosing shears.
Write for Catalogue and prices.

OILERS

25c.



Highest Grade Oiler.

DOES NOT LEAK.

Regulates supply of oil.

A little higher in price but,—

10c.



The Best Medium Grade Oiler.

Made in best manner possible.
Second to none but the "Perfect."

CUSHMAN & DENISON, Mfrs., 172 9th Ave., N. Y.

mail order business being indeed quite large; rush orders of ammunition for Fourth of July celebration, hot weather goods, such as screens, freezers and ice tools being most in demand. Business in bicycles throughout the season has has been quite active. While there has been a large demand for cheap wheels, there will always be legitimate demand for strictly high grade wheels from those riders who have passed the novice rank. We look upon them as a natural adjunct to the up-to-date Hardware store.

Prices on Hardware remain fairly firm, but few changes within the past month. Files are the most notable exception. The new list. which went into effect on the 1st inst., was adopted by the manufacturers, as we are told, to remove those inequalities which existed in the old list; although, why tapers should be advanced about thirty per cent. on the list and horse rasps only about five per cent. remains a mystery to us. If, as has been intimated, the Wire Rod Pool was only temporarily abandoned until the Senate has passed its tariff bill, then we might look for some interesting developments in the near future.

Collections show a marked improvement.

TABB & JENKINS HARDWARE CO.

The Bells.

Bells were well known to the Egyptians before the time of the Jewish exodus. In the description of Aaron's sacerdotal robe mention is made of the fact that upon the hem of the garment there were bells of gold, alternating with pomegranates of blue, of purple and of scarlet: "A golden bell and a pomegranate, upon the hem of the robe round about. And it shall be upon Aaron to minister, and his sound shall be heard when he goeth in unto the holy place before the Lord, and when he cometh out, that he die not." Hand bells were in common use all over the ancient world. The earliest use of bells in churches was for the purpose of frightening away the evil spirits which were believed to infest the earth and air, and the earliest curfew was rung at nightfall to rid the neighborhood of the village or town and church of demons.

Most old churches of Europe have a small door on the north side, and at certain points in the service this door was opened, and a bell was rung to give notice to the devil, if he chanced to be present, that he might make his exit before the elevation. By the command of Pope John IX church bells were rung as a protection against thunder and lightning. The monument of Porsena, the Etrurian king, was decorated with pinnacles, each surmounted with a bell, which tinkled in the breeze. The army of Clothaire raised the siege of Sens on account of a panic occasioned among the men by a sudden chime from the bells of St. Stephen's church. The largest bell in the world is in the Kremlin at Moscow. Its weight is 250 tons, and the value of the bell metal alone, not counting the gold and silver ornaments which were thrown into the pots as votive offerings, is estimated at £66,565, or about $332,825.—*Exchange.*

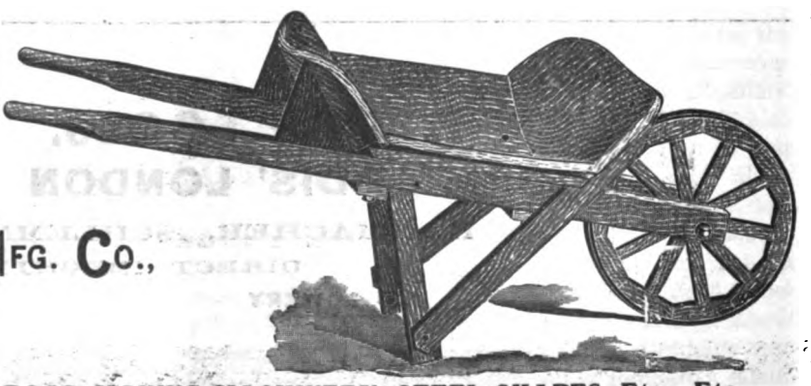
The following dialogue between the different parts of a bicycle was recently overheard: "I am the greatest of you all," said the saddle, "have the highest position, and always sit before the bar. I offer a seat to my rider, and when he is thirsty, I allow him the use of my spring." The hub then spoke up as follows: "Don't listen to that conceited piece of cowhide; he makes us all sick. Why, the handlebars have the grip, the rims feel tired, the lamp is weak, the tires feel very much depressed, and even the sprocket wheel has the toothache." The tire wishing to distinguish himself, shouted to the cyclometer: "You've got wheels in your head." "You're full of wind," retorted the cyclometer. The crank, who also wanted to be heard, shouted up the tube to the head of the wheel, saying: "If you don't fork out that sovereign I lent you, I'll wrench your neck, brake your crown, and put you in chains." "Come off," he replied; "you only make your living by pedaling." The axle exclaimed: "Say, boys, the tire is going to blow himself, and invites us all to come down to the hub and have a ball!"—*New York Advertiser.*

Agencies Wanted.

SOME first class agencies in Hardware, Cutlery and Tools by a party who now has a prominent agency and has had twenty-five years' experience on the road. Address W. H. B., care HARDWARE, No. 143 Chambers Street, New York City.

"SCIOTO" for R. R. or Canal Work.

A thoroughly first class bolted barrow. Full sized Tray. Well planed, cleated, braced and bolted. Legs and cross pieces gained. Knocks down for shipping and is easily set up.

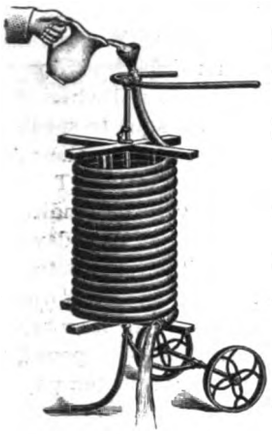


THE KILBOURNE & JACOBS MFG. CO.,

COLUMBUS, OHIO.

Producers of BARROWS, SCRAPERS, ROAD MAKING MACHINERY, STEEL SHAPES, Etc., Etc.

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Patented January 5, 1897. Others applied for.

IT EXPLAINS
Why it is
Superior to all other
Hose Reels. This
The Hartzell
Self-Draining Hose Reel
will carry more hose,
it will **drain, preserve** and
greatly increase
the **durability** of **Hose.**

It is a beautiful ornament for a lawn. It is convenient, light, strong. It will please your customers as it saves money. For prices and Sample Reels, address

The Hartzell Novelty Works, (Sole owners and man'f'rs) ALLIANCE, OHIO.



Our Fork Crown. "Pat. applied for."

Agents are wise who get an Agency

... FOR THE ...

KENSINGTON

Full of tried and up-to-date improvements.

SELLS AT SIGHT.

THREE MODELS:

$100, $75, $60

A Magnificent Line.

THE

Martin & Gibson Mfg. Co.

BUFFALO, N. Y., U. S. A.



Our Name Plate.

American Steel Abroad.

The Philadelphia *Press* says, editorially, the industrial revolution involved in the appearance of American steel in England has created a sensation out of all proportion greater there than here. How great the sensation is becomes apparent in the correspondence from the English iron district. English newspapers see in it the ultimate supremacy of our steel trade the world over. English steel masters face on one side the cheap labor and technical skill of Germany and Belgium, and on the other the dear labor and cheap materials of this country. English coke costs over $2 a ton, where Connellsville is $1.25 to $1.50. Yet our best furnaces use only 1600 pounds of coke to the ton of steel, when English furnaces use 2000 pounds. English newspapers are asking if the invasion is to be permanent. As it is based on a cheaper cost-sheet it has certainly come to stay. No country in the world can compete with $20 steel rails or billets at $15 or $16.

"I make whisky," said the moonshiner, "to make shoes for my little children!"

The judge seemed touched, for he had children of his own. "I sympathize with you," he said, "and I am going to send you to the Ohio Penitentiary where you can follow the shoe business for two years!"—*Atlanta Constitution.*

THE DIFFERENCE IN PRICE

between high and low grade rubber goods gives an idea of the difference in quality, but not a full idea—the difference is considerably greater than the price would indicate. Take two grades of ¾-inch water hose, one selling at five cents per ft., the other at ten cents. Now the labor cost in dollars and cents of making the five-cent hose is just as great as the labor cost of the ten cent—consequently the entire reduction in price must come out of the material. And, as the material forms only one item of the cost, *a 50% reduction on the finished hose means considerably more than a 50% cut on the material.* In other words, low-grade hose is considerably poorer than the price would indicate, and the lower you go the greater the disparity between the apparent and actual value. The converse is equally true—the higher you go in quality the more the actual value exceeds what you pay for it. **1846 PARA, TUXEDO AND DOUBLE DIAMOND HOSE BELONG TO THE LATTER CLASS.**

Belting, *Garden Hose,* *Water Hose,* *Fire Hose,* *Suction Hose,* *Steam Hose,* *Air Hose,* *Tubing.*	*Chicago, . . . 143-145 Lake St* *St. Louis, . . . 210 N. 12th St.* *Indianapolis, . 79 So. Illinois St* *Philadelphia, . 308 Chestnut St.* *Boston, ... 24 Summer St* *San Francisco, 509-511 Market St*	*Packing,* *Gaskets,* *Valves,* *Rubber Tiling,* *Rubber Matting,* *Emery Wheels,* *Specialties.* *League Tires.*

NEW YORK BELTING & PACKING CO. LTD

PIONEERS AND LEADERS, 25 PARK PLACE.

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The Dictionary on Nails.

What can be said about a nail? The new "Century Dictionary," whose remarks on saws we discussed in the issue last preceding, manages to devote nearly two pages to this little article of the Hardware trade, and things connected with it. The first definition is devoted to the fingers and toes of humanity, with which we have little to do in this connection,—unless, for the benefit of careless clerks, we make a quotation from the ancient Babees Book, where is found the valuable advice to all who wait upon customers: "*Pare clene thy nailes.*"

In the Hardware line, the nail is defined as "a pin or slender piece of metal used for driving through or into wood or other material for the purpose of holding separate pieces together, or left projecting that things may be hung on. Nails usually taper to a point (often blunt), are flattened transversely at the larger end (the head), and are rectangular or round in section. Very large and heavy nails are called spikes; and a small and thin nail, with a head but slightly defined, is called a brad. There are three leading distinctions of iron nails as respects the mode of manufacture—wrought, cut, and cast. Nails are said to be seven-pound nails, eight-pound nails, etc., according as 1000 of the variety in question weigh seven pounds or eight pounds, etc., hence such phrases as six-penny, eight-penny, and ten-penny nails, in which penny, it is said, retains its old meaning of pound weight."

To nail a thing is to fix or fasten with a nail or nails; to drive nails into for the purpose of fastening or securing; such as to nail up a box, to nail a shelf to the wall, to nail down the hatches, etc.; to stud with nails. Figuratively, to nail a thing is to pin it down and hold it fast, such as to nail a bargain or secure by prompt action. It was Burns who said:

> "Ev'n ministers, they ha'e been kenn'd,
> In holy rapture,
> A rousing whid at times to vend,
> An' nail 't wi' Scripture."

Passing into the colloquial, to "nail to the counter" is to put a counterfeit coin out of circulation by fastening it with a nail to the counter of a shop; hence, figuratively, to expose as false.

Other definitions referring to the nail are Nailer; one who nails, who makes nails or who sells them; while a female nailmaker is referred to by Hugh Miller as a Naileress. A Nailery is described as an establishment where nails are made. A Nail Head is the head of a nail, and anything is said to be nail-headed when so shaped as to resemble the head of a nail.

A Nailing-Machine is one for forcing or driving nails into place; in carpentry, a feeding-tube for the nails, connected with a plunger or reciprocating hammer; in shoe-making, a power-machine closely allied to the shoe-pegger, used to drive small metallic nails or brads into the soles of shoes.

The Nail-Machine is a power machine for making nails, spikes, brads, or tacks.

A Nail-Maker is one who makes nails; a Nailer; a person connected in any capacity in the manufacture of nails.

A Nail-Plate is a plate of metal rolled to the proper thickness for cutting into nails.

A Nail-Rod is a strip split or cut from an iron plate to be made into wrought nails. A Nail-Selector is a machine, or an attachment to a nail machine, for automatically throwing out headless or otherwise ill-formed nails and slivers.

A countersunk nail is one having a cone-shaped head, like that of a screw; a cut nail, one made by a nail-machine, as distinguished from a wrought or forged nail.

"On the nail" means on the spot; at once; immediately; without delay or postponement; as, to pay money on the nail. This phrase is said to have originated from the custom of making payments, in the exchange at Bristol, England, and elsewhere, on the top of a pillar called "the nail."

Ready for Them.

A New England town rejoices in a man with a peculiar voice. It is one of those voices given to ups and downs, and no one, not even the man himself, can tell when it is going to be up and when down. He will start to speak in a regular basso profundo, then suddenly, right in the middle of a sentence, he will pipe up high and shrill. To any one not accustomed to such extraordinary vocal conditions the effect is startling. The story goes that one day the man dropped into a Hardware store, the proprietor of which he knew very well. At that moment the proprietor was above stairs. Stepping to the stairway, the man began in his deep voice: "Look here, Brown, I want a pound of tenpenny nails!" Then high and shrill: "And ten papers of tacks."

The proprietor not only couldn't see the man, but he failed to recognize the voices. "All right, gentlemen," he replied, "I'll be down in a minute and attend to you both."—*New York Sun.*

We learn with pleasure through the New Departure Bell Co., of Bristol, Conn., that the New Departure Automatic Brake has been adopted by the Pope Mfg. Co., and they expect to apply it regularly on Columbias and Hartfords for 1898. "The device was subjected to thorough and exhaustive tests by the Pope Co., and the decision in its favor is a high compliment, as only such features are incorporated into those machines as have been demonstrated beyond question to be radical and valuable improvements. The brake was tested thoroughly and under the most severe conditions, far exceeding any possible conditions of actual service, fully demonstrating its remarkable simplicity and efficiency. Fitted with this brake the power to control the wheel is unconsciously increased and the steepest hills may be ridden safely as on the dead level. The rider does not even have to 'push the button'—the impulse of safety to self and machine is materialized simultaneously with the thought, as the action is absolutely automatic. The brake adds nothing to weight, and is invisible when on the machine, and with this added feature the high rank of Columbia will be fully maintained and still further advanced."

Announcement is made that the bicycle manufacturing business heretofore carried on under the name of A. U. Betts & Co., Toledo, Ohio, has been sold to F. W. France & Co., with headquarters at Rochester, N. Y., the consideration being in the neighborhood of $50,000. While the France concern will have absolute supervision and a controlling interest in the business, Mr. Betts and E. G. Eager will each have some stock. Mr. Eager has tendered his resignation as manager of the Viking interests, and will at once devote his time and attention to the new company's interests. A reorganization will at once take place, and the concern will in future be known as the Red Cross Cement & Rubber Co.

The American Wringer Co., No. 99 Chambers Street, New York, have recently issued their new catalogue and price list for the business of the season just commencing. The line of "ball bearing" wringers now manufactured by this company are here illustrated for the first time, and will undoubtedly prove very popular. The company state they have greatly improved the "Universal" and "Novelty" wringers, principally by "the addition of a steel spring and raised guide board," which are improvements the trade will certainly appreciate.

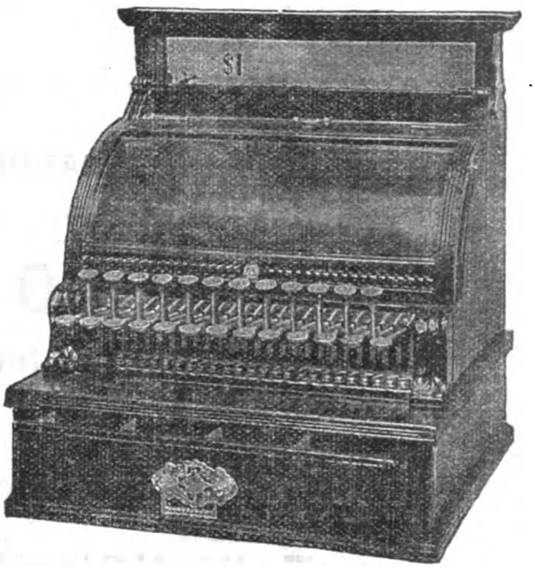
The keys to Japanese locks turn in the opposite direction from ours, and the lock is fastened to the jamb instead of the door.—*Chattanooga Tradesman.*

HARDWARE'S "Prices Current" are reliable.

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Low-Priced Cash Registers.

We offer a new line of detail-adding cash registers at lower prices than similar registers can be bought for elsewhere.



No. 18 Detail Adder—Price $25.



No. 15 Detail Adder—Price $80.

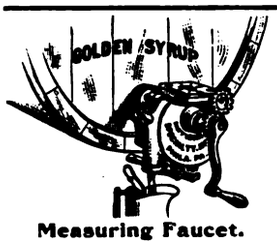
It is also important to probable purchasers that our registers are free from any possible taint of infringement and that persons buying them run no risk of being sued for damages as a result of their use.

We make all kinds of cash registers, ranging in price from $15 to $375. We also sell second-hand registers, taken in exchange for high-grade Nationals. Address department H, The National Cash Register Company, Dayton, Ohio.

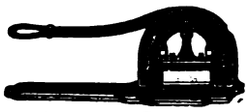


No. 19 Detail Adder—Price $40.

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Measuring Faucet.


Tobacco Cutter.

We Make Faucets

That measure a pint, a quart or a gallon accurately. A Barrel Drainer that adjusts automatically to fit in the bunghole. No bung borers needed and no molasses wasted. Coffee, Spice and Drug Mills that grind as you like it. Draw Cut Tobacco Cutters that do not squeeze through, but cut with ease. Our goods are second to none. All are fully warranted. Send for Catalogue to

NATIONAL SPECIALTY MFG. CO.

Lehigh Ave. and Third St. - PHILADELPHIA, PA.



No. 3 Mill.



No. 1 Mill.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

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67-69 Park Pl.,
New York, U. S. A.

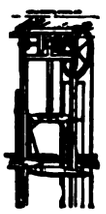
HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c

Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



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Kimball Bros. Council Bluffs, Ia.

No. 1013 Ninth Street.

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—MANUFACTURERS.—



ALL SIZES

Coke, Coal, Stone, Ballast, Potato, Beet, and Cotton Seed Forks. . . .

THE GEO. W. STANLEY CO.,

BELLEVILLE, ILL.

Manufacturers of

Cut Tacks, Small Nails, Double-Pointed Tacks and Staples.

KOHLER'S CURRY COMBS

MAGIC,
HUMANE,
SHEDDER,
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A1-A2-A3 Should be in every store. Write for Catalogue.

We solicit your orders. . . **F. E. KOHLER & CO., CANTON, OHIO, U. S. A.**

"SATISFACTORY RESULTS ON INVESTMENT."

Aladdin Lamp Co., Newark, N. J. [*Bicycle Lamps*]: We think that the Hardware trade is one of the best to handle the side line of bicycles and bicycle sundries, as it seems to be in perfect keeping with the other lines of goods which are kept in stock. We are also of the opinion that the trade will, in time, be controlled by a very few exclusive stores, and a large number of Hardware and carriage warehouses, where the bicycle can be sold at a legitimate price as a side line. Regarding HARDWARE it has always given us satisfactory results on investment made.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

We carry in stock 126 sizes and kinds of

SHOVELS, SPADES & SCOOPS



MANUFACTURED BY

Oliver Ames & Sons Corporation.

Send for our Shovel Catalogue showing goods carried in stock.

J. K. WILLIAMS,
MACHINE SHOP.

210 CHERRY STREET,
AKRON, OHIO.

Special Machinery

Estimates made on all kinds of Special Machinery, Boiler Tube Expanders, Bicycle Tire Moulds, Moulds for all kinds of Rubber Goods, Hangers, Shafting, Clay Working Machinery, etc. Write for Estimates. . . . . .

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To Bicycle Riders.

WE MAKE OUR TUBE
OF FIFTY CARBON STEEL

Because a Tube like this of our .50% CARBON STEEL Is just as strong as a Tube like this of .25% CARBON STEEL

While weight for weight in a Bicycle our FIFTY CARBON Steel will last so long

and TWENTY-FIVE CARBON Steel will last only so long

NOTE THE FULL IMPORT OF THE PARALLEL LINES.

The comparison which they graphically make indicates the result of the prolonged investigations of the most practical experts of the world.

That the tests in our own laboratory coroborate these results is merely so much to its credit; that the same is true of actual trial on the road equally proves the trial to have been made in bicycles of correct design and construction. THE FACT REMAINS.

The margin of safety is greatly increased by the use of this tube. Every bicycle manufacturer should use it; every dealer should insist on having it; every rider should demand it. Send for catalogue.

THE POPE TUBE CO., Hartford, Conn.

MODERN CLIMAX. NEW STEEL RANGE,

In both Portable and Flush Reservoir style. Popular sizes.



Taplin, Rice & Co., Mfrs., Akron, Ohio.

BICYCLES

. . . Manufactured by

Ames Mfg. Co.

HIGH AND MEDIUM GRADES,

$100, $85, $75, $60.

Send for Catalogue.

ADDRESS

AMES MFG. CO., Chicopee, Mass.

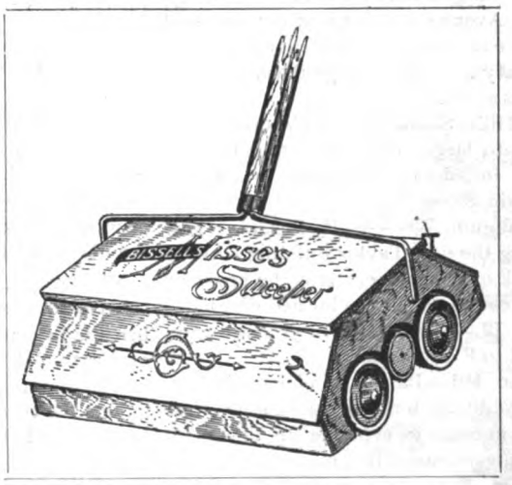


Send for our CATALOGUE No. 11 B, describing
SCREW CUTTING TOOLS
FOR
BICYCLE REPAIR WORK.

Bissell's
Toy Carpet Sweepers

FOR 1897

NOW READY FOR DELIVERY.



Bissell's "Misses" Sweeper.

A NEW WANT SUPPLIED.

BISSELL CARPET SWEEPER CO.,

Grand Rapids, Mich. *103 Chambers Street, New York.*
Toronto, Canada. *47 Wilson Street, Finsbury, London.*

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Bradley, Ill.—Crevier Bros.

DeKalb, Ind.—The Clark Hardware Co. Capital stock $10,000.

Fennimore, Wis.—Frank Hile.

Fort Wayne, Ind.—Koehlinger Bros.

Garnaville, Ia.—Ed. Keumpel.

La Place, Ill.—B. Hendricks.

La Rue, Ohio.—J. H. Campbell.

Malone, N. Y.—F. H. Tully.

Midland, Tex.—Burton, Lingo & Co.

Montreal, Can.—James Walker & Co.

Mt. Vernon, N. Y.—George D. Ferguson & Co. has been incorporated by George D. Ferguson and others to carry on general Hardware business. Capital stock $40,000.

Nashville, Mich.—Frank C. Boies.

Rochester, N. Y.—Long Mfg. Co. has been incorporated by Samuel W. Long and others to sell Hardware specialties. Capital stock $1000.

Rolfe, Ia.—J. P. Sherman.

San Jacinto, Cal.—Bradley Bros.

South Elbridge, Mich.—J. H. Stuber.

St. Thomas, N. D.—Childerhose & Gibson.

Thornton, Ia.—D. E. Howe.

Changes and Removals.

Atwood, Ill.—T. A. Flickinger has sold out to J. W. Hamilton.

Bancroft, Mo.—H. E. Hosman has traded his farm near Gallatin for a stock of Hardware in this place.

Beaver, Minn.—Albert Niebels, has just added Hardware stock in connection with his gun store.

Birmingham, Ala.—Mayberry & Watson, closed a deal recently for the three buildings on Third Avenue and 20th Street, and will erect thereon a five-story building after the Chicago style. The price paid for the property was $14.000.

Black Hills, S. D.—Samuel Voorhees has moved into larger quarters with increased facilities for doing business; located on lower Main Street.

Bloomington, Wis.—F. H. Fischer is now occupying the new Taylor Building with his new stock of Hardware. It is the first new building completed in the burned district.

Cairo, Ill.—Oliver McNulty, Hardware, etc., sold to F. Nordman.

Cecilton, Md.—Patrick Anderson is having an addition built to his corner store property in order to combine his dry goods and Hardware stores into one.

Dallas, Tex.—Smith & McCling have made a contract to have a second story placed on their building. The partition wall now between them and R. L. Warren is to be torn down and an 18-inch wall raised in its place.

Faribault, Minn.—Alex Carniel has admitted A. M. Hatch to partnership.

Flemington, N. J.—Edward Shepherd, of the firm of John F. Shepherd & Son, has purchased the Hardware stock of A. B Williamson, through his brother, John W. Williamson, of Califon.

Girard, Kans.—Albert Finger, Hardware, succeeded by D. K. Gise & Sons.

Great Falls, Mont.—Richard Barry, Hardware, closing out business.

Hastings, Minn.—H. F. Emery, Hardware, has removed to Stillwater.

Holstein, Neb.—W. T. Carson is adding to his stock a full line of Hardware, harness, etc.

Horton, Kans.—Hedge & Brown, Hardware, etc., sold to Beeler & Bishop.

Howell, Mich.—C. B. Elliott who sold his interest in the store on Saginaw Street has purchased a half interest in the Hardware store of F. P. Schroeder. The new firm will be known as Schroeder & Elliott.

Hoytville, Ohio.—Mr. Deiter has moved his stock of Hardware and furniture into the building recently vacated by J. O. Weimer.

Kokomo, Ind.—H. Jackson, has formed a partnership with Jackson Bros., of West Sycamore Street.

Lafayette, Ind.—The Warrenburg Hardware stock is being invoiced. J. Neumann will continue the business.

La Place, Ill.—Miller & Hendricks succeeded by D. S. Hendricks.

Lynn, Mass.—The Brockway-Smith corporation have purchased the stock of Orrin Welch & Son, the Hardware dealers, formerly located at No. 144 Monroe Street, and they are absorbing the same into their stock.

Marion, Ohio.—J. K. Milligan has sold his Hardware business.

Midland, Tex.—Murphy, Purcell & Connell have sold out.

Meilnor, N. D.—McMulty & Helgeson, Hardware, have sold one-half interest in their business to H. K. Pennington. The firm will be known as H. K. Pennington & Co.

Menominee, Mich.—Buhl Sons Co. have moved into new quarters.

Mt. Calm, Tex.—Glenn & Rowe of this place and Ingraham Bros. of West, closed a trade recently for the entire Dupree stock of Hardware and furniture. The stock invoices between $9000 and $10,000. They intend to conduct a large Hardware business under the name of Glenn, Ingraham & Co.

Mt. Carmel, Pa.—Before the building season closes, there will be a new three-story brick building on the Bergstrasser property on North Oak Street, between the building now containing the Hardware store and the one on the corner of the avenue. The new building will be 25x75 feet, covering three floors. The Hardware store is to be removed to the first floor of the new building.

Nashville, Mich.—T. S. James sold out his Hardware stock.

Newton, Mass. -C. Campbell has got his store nicely settled in the new location in the Stevens Building, and is adding largely to his stock of everything in his special line.

New Orleans, La.—Rice, Born & Co., Limited, succeeded by Henry Rice & Son.

New Philadelphia, Ohio.—Geiser & Kuenzli have dissolved partnership, Mr. William Kuenzli retiring. Mr. John Geiser will continue the business, and the firm will now be known as John Geiser & Son.

New York, N. Y.—Knight Mfg. Co., builders' Hardware, style changed to George D. Knight Mfg. Co.

Oskaloosa, Ia.—Terrill & McClure succeeded by Augustus Hamilton.

Park Rapids, Minn.—Tennis & Plummer have sold out to Fuller & Denning.

Preston, Minn.—Bennett & Heinrich, Hardware, M. M. Blunt of Howard, S. D., has purchased remainder of stock, and is now busy taking invoice.

Spava, Ill.—S. L. Marshall has disposed of his stock to Al. Stumpf, who will continue the business.

Springfield, Mass.—James A. Clough has leased his block on High Street to C. I. Russell & Co., the Hardware dealers, and they will occupy the entire block, having leased the property for ten years.

Syracuse, N. Y.—The Burhans & Black Co., the wholesale and retail Hardware dealers, at No. 136 No. Salina Street, have lately added to their accommodations the store next door south. This enlargement of sale facilities has been necessitated by the increasing business of the firm. This additional store will be devoted entirely to the retail trade, including builders' Hardware and sporting goods.

Whiteville, Tenn.—W. J. Andrews will soon have completed his fine storehouse, the lower room of which will be occupied by Webb Bros. & Co. as a Hardware store.

Business Embarrassments.

Ashland, Ohio.—F. M. Patterson, as assignee, sold T. B. Ambrose's Hardware stock recently, to the Ashland Hardware Co., realizing $2309, which includes about $100 worth of goods sold before the sale of the whole stock. The new purchasers are now disposing of the goods at cost.

Covington, Ky.—Thompson & Brown have assigned to C. C. Hagemeyer.

Laceyville, Pa.—Abel Platt & Son, Hardware, etc., reported to have made an assignment.

Lebanon, Pa.—P. S. Greenawalt, in the hands of the sheriff, on execution of $8000.

Springfield, Mo.—Thomas H. Rathbone has assigned to F. W. Hoyt. The full value of the stock is about $2000; liabilities not stated. Mr. Rathbone is among the oldest business men of this State, and is deeply sympathized with by the trade.

Recent Fires.

Delano, Cal.—Chas. A. Weaver & Co.; totally destroyed.

Marshalltown, Pa.—Shoudy Bros. Damage $3000; insured.

Milwaukee, Wis.—C. J. Smith & Sons. Damage, $1000.

Missoula, Mont.—J. W. Wilson; totally destroyed.

Prospect, Ohio.—Biddle & Cahill; insured.

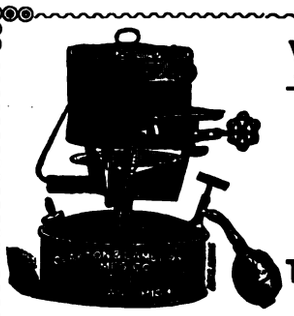
Springfield, Ill.—John S. Chaper; totally destroyed.

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MORGAN & WRIGHT TIRES
ARE GOOD TIRES

OUR GUARANTEE REMAINS THE SAME AS IT HAS BEEN IN THE PAST.

MORGAN & WRIGHT
CHICAGO



You are referred to

Any Jobber
Any Retailer
Any User
} of any Gasoline Fire

MADE BY

THE CLAYTON & LAMBERT MFG. CO.,
Ypsilanti, Mich.

We point with pride and confidence to our numerous friends. We will use you well and sell at an honest price the best the world has yet produced in Gasoline Fires.

Handsome new Catalogue. Short and to-the-point Booklet. Either or both for the asking.

Kearney & Foot Co.

Manufacturers of the BEST FILES AND RASPS IN THE MARKET.

100-102 Reade Street, New York.

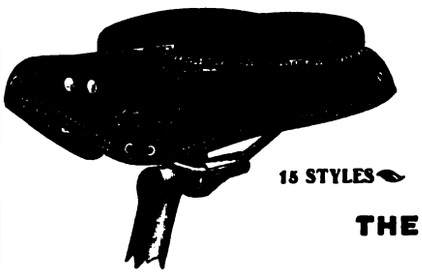
SEND FOR CATALOGUE AND PRICES.



"The SUCCESS OF THE PHILADELPHIA SHOW" . . .
WAS THE
OSTERMAN
BICYCLE BELL.

Rings loud and clear like an electric bell.
The faster the speed the sharper the alarm.
Rings on the slightest pressure of the button.
Needs no care.
Never wears out.
Quickly adjusted to any wheel.
Strong, Simple.

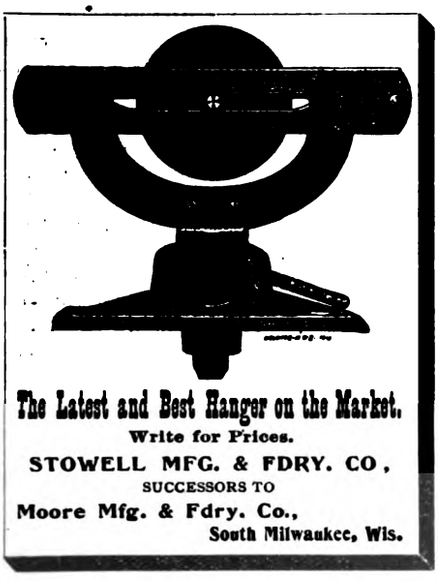
AGENTS WANTED IN EVERY TOWN.
MADE ONLY BY
JOSEPH OSTERMAN & CO.,
4411 Main St., MANAYUNK, PA.



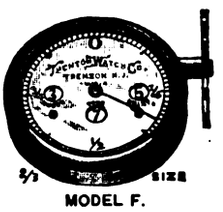
LEADERS FOR 1897
. . . THE
B. & W. Saddles
15 STYLES

Absolutely the highest grade on the market. For perfection in design, beauty of finish, quality of material, and comfort in riding they surpass all others.

THE BUTLER & WARD CO.,
NEWARK, N. J., U. S. A.



The Latest and Best Hanger on the Market.
Write for Prices.
STOWELL MFG. & FDRY. CO.,
SUCCESSORS TO
Moore Mfg. & Fdry. Co.,
South Milwaukee, Wis.



MODEL F.

RETAIL DEALERS

Should ask their jobbers for revised prices on Model F—1,000 mile "Midget" Cyclometers. Registers 1,000 miles and repeats. *Price $1.00.* You can make money on them, as they out-sell larger models.

TRENTON WATCH CO.,
Trenton, N. J., U. S. A.

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PATENT SOLICITORS, 36 Wall St., N.Y

Have done all my patent soliciting work, both for this and foreign countries, continuously for the past fourteen years.

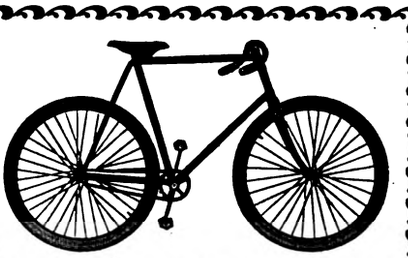
Thomas A. Edison

THE "SPARK" '97 MODEL

An up-to-date machine. List, $60. Our specialty "One Wheel," "Best Grade," at "One Price"

To all, $60. They are handsome, well built, finished in elegant taste and strictly up with the times. If you want a ready seller, better write us.

CANTON CYCLE MFG. CO.,
Canton, Ohio.





NEW YORK PATTERN

Buhl Factory AND R. R. Milk Cans
WILL OUTLAST ALL OTHERS.

Made of Steel, Perfectly Fitted, Annealed and Tinned. Have the "Victor" Can Breast.
Made in all patterns and sizes.

Every piece of "Buhl" Stock is stamped with the Milk Can Trade Mark. Write for Booklet.

BUHL STAMPING CO.,
DETROIT, MICH.



CHICAGO PATTERN

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Cleveland, Ohio.—English capital is to be invested in the weldless tube industry in this country. Several wealthy men of England, headed by Arthur Pilkington, who is known as the "Tube King," have joined H. A. Lozier, of Cleveland, in the formation of a new company, that promises to govern the steel tube output of the world. Mr. Lozier retains a controlling interest in the weldless tube industry, and has been made president of the new company. His plants in Ellwood City and Greenville, Pa., and the English plant in Toledo, Ohio, have been merged under one control. The price paid by the new corporation for the Lozier plants is placed at $3,000,000. The exclusive use of the Ralph Stiefel patents has been secured for five years. These patents govern the machines which produce the cold drawn steel tubing, and which it is said, reduce the cost of production fifty per cent.

Cleveland, Ohio.—The East End Brass Co. of Cleveland, changed its name to the Central Brass Mfg. Co.

Dayton, Ohio.—The Patterson Tool & Supply Co. was incorporated by William B. Patterson, Theo. E. Fritch, Frank B. Moorman, W. R. Kemper and George K. Young. Capital stock, $40,000.

Denver, Colo.—Colorado Steel Range Co. was incorporated, H. C. Stuchfield, E. M. Kent and Charles Kibler, incorporators.

Eldred, Pa.—The new knife factory of which C. H. Platt & Sons are proprietors, will soon be operation. The building is nearly finished and will give employment at the commencement to twenty-five hands. It is expected soon the number will be increased to fifty.

Johnstown, Pa.—The Board of Trade announces two new enterprises for Johnstown. The one is a shovel factory, at the head of which is Henry O. Shea, a former Johnson Co. foreman, with experience and capital. The other is an extensive addition to the Johnstown Radiator Works at Moxham. Both will employ a large force of skilled mechanics.

Nashville, Tenn.—The Gas Range Mfg. & Exhibition Co. has incorporated with the following chartered members: C. Fredericks, W. D. Meyers, M. A. Bullard, F. G. Lovelace and R. S. Connor.

Newark, N. J.—The Trackless Door-Hanger Co. has been incorporated to manufacture door-hangers and Hardware specialties. The capital stock is $100,000, all paid in. Lewis C. Van Riper, Philip Fitzpatrick, New York City, and John R. Weeks, Newark, N. J., are the incorporators.

Rochester, N. Y.—Long Mfg. Co. to manufacture Hardware specialties. Capital, $1000. Directors: S. W. Long, Janet Remington, H. F. Remington and Abraham Benedict of Rochester.

Rockport, Ohio.—The Norton Tool Co. was incorporated recently, with $50,000 capital, by George S. Duperon, Harry Dixon, W. T. Norton, W. M. Paazig and L. C. Manzelman.

Improved Conditions.

Anderson, Ind.—The Wright Shovel Co. is experiencing a return of its old time prosperity, and has orders in excess of ability to turn out stock. The company is unable to keep abreast of the demand of buyers and is compelled to increase its force of workmen. A telegram was sent to Pittsburg recently, asking for experienced shovel makers, who will be put to work at good wages the day they reach Anderson.

Brockton, Mass.—The work now being done at the factory of Dunbar, Hobart & Co., at East Whitman, is done under the orders of the reorganization committee that recently purchased the property of the Atlas Tack Corporation. The workmen here are in hopes that the new move will give them more work, and that the good, old times will come again to this factory which used to be one of the steadiest in town when the firm was Dunbar, Hobart & Whidden. In those days a few days of dull work were welcomed by the operatives.

Chambersburg, Pa.—The stockholders of the Landis Tool Works Co. met recently and by ballot decided to accept the site on the Funk estate, along the the Mont Alto railroad. The Land and Improvement Co.'s site was that on which the works formerly stood.

Durand, Mich.—F. E. Leonard, of Durand, has branched out in the manufacture of land rollers and wheelbarrows, and is looking for some one that wants to establish novelty works in the town.

East Bristol, Conn.—The Bristol Bell Co. that will manufacture P. & F. Corbin bells has commenced to lay the foundation for its new building. This building will be 300 feet long, but only one story in height. The work of rebuilding the dam will commence at once.

Hartford, Conn. — The Colt Firearms Manufacturing Co. has bought the stock, patents, machinery, and good will of the Gatlin Gun Co. An entire new board of directors has been elected. They met recently and elected John H. Hall, vice-president of the Colt Arms Co., president and treasurer. Frederick W. Prince is retained as secretary. The capital of the old company was $250,000, but the terms of the sale, which was conducted by J. G. Batterson, president of the Travelers' Insurance Co., are not made public.

Indianapolis, Ind.—Another new building is to be added to the plant of E. C. Atkins & Co., saw manufacturers. This will make the second steel structure of their great saw manufacturing plant, their intention being to ultimately replace their buildings with those of modern construction.

South Bend, Ind.—The Oliver Plow Co. do not wait for the procession to pass by when there is anything modern that they are convinced is a good thing. The works shut down for a week, recently, and the object was to make complete tests to ascertain the practicability of utilizing electricity and electric motors in running their immense machinery which now requires three engines of 750-horse power. Tests have been going on in department after department, and these will be submitted to an expert for a report. It is expected by electric motors to utilize much waste power now lost in transmission through shafts, pulleys and belts. The plan is to generate the electricity at the works, instead of steam.

Warren, Mass.—The Warren Board of Trade has been instrumental in securing the Slater Engine Co. for Warren, with a capital of $50,000; a cigar manufactory, which will soon employ forty or fifty workmen; the Bridgeport Valve Co., for which buildings are being erected and prepared, while it is more than probable that a large optical factory, and a novelty manufacturing company from Middletown, Conn., will locate in Warren in the immediate future.

West Newton, Pa.—The Stewart Manufacturing Co. will soon begin the manufacture of iron pumps. The company have secured control of the patents of a force and lift pump. The new department will give employment to fifty hands.

York City, Pa.—A. Schwenk, file manufacturer, of North George Street, is erecting a new shop at the rear of his lot considerably larger than the shop he now occupies.

Recent Embarrassments.

New Haven, Conn.—The W. Haskell King Co., manufacturers of Hardware specialties, with works at No. 65 Orange Street, filed a voluntary assignment through their president, W. Haskell King, in the probate court recently, naming George W. MacKenzie, of MacKenzie & MacArthur, trustees. The liabilities are $7500, of which Mr. King claims $6000. The assets are $100. The firm organized in Guilford eighteen years ago to manufacture window locks and catches, and eleven years ago moved to this city. They formerly employed fifteen hands, but for the past three years only three have been employed.

New York, N. Y.—A general assignment made by Joshua H. Cort of Amityville, L. I., and Warren L. Cort, of No. 21 Cambridge Place, Brooklyn, manufacturers of gas stoves at No. 41 Adams Street, Brooklyn, was filed recently in Brooklyn. Rufus O. Catlin is the assignee, and preferences to the amount of $10,500 are made in favor of A. G. Wiley, A. H. Scoville, Amelia A. Cort, N. Leonard Cort, Lilla C. Cort and John W. Chapman.

Quincy, Ill.—The Barlow Corn Planter Works has succumbed to the hard times and fallen into the hands of local creditors, whose claims amount in the aggregate to $25,000. The company's plant represents an investment of $100,000 and is one of the oldest manufacturing concerns in Quincy.

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THE BANNER

Is the Cycle Lamp for '97.

None as handsome, as practical, nor as thoroughly and honestly made. Throws a powerful, broad light, having **a 3-inch optical ground double convex lens.** No lamp so easily cleaned. Has removable top burner and reflector, removable and **reversible oil pot.** The only lamp made with a positive wick-locking device—it acts on the ratchet. Your dealer should have them; until he has will send, carriage paid, for **$3.00,** to any part of the United States.

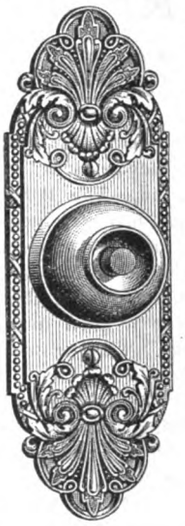


Rigid Bracket, adjustable to either Post or Fork; Ball and Socket Joint, 50c. extra.
Absolutely Wind Proof.
Will not Jolt Out.
No Solder to Melt.
Fills on Outside Oil Fount.
Solid Brass, Heavily Nickeled.
Burns Kerosene in Packed Fount.
No Splashing.
Handsome Side Lights.

5½ INCHES HIGH.

New York. Boston. Chicago. **PLUME & ATWOOD MFG. CO.** FACTORIES: Waterbury and Thomaston, Conn.

Because they are hidden



V Design.

is no reason why poor locks should be used in a building. A poor lock always causes trouble; it gets out of order, the woodwork is marred when repairs have to be made. Sargent's Easy Spring Locks are durable and will last while the building stands—that's as long as they are needed. They are easy working and give comfort to all who use them.

Sargent & Company,
Makers of Artistic Hardware and Fine Locks,
New York; and New Haven, Conn.



EAGLE

Bicycle Pump



MADE WELL!
SELLS WELL!
WEARS WELL!

Fills Tires Quicker Than Any Other Pump.

Connecting nipples all accurately threaded, and will fit all the well-known tires.

Write for Trade Prices
Special Inducements to the Jobbing Trade.

Henry Haas & Son,
551-553 West 35th St., NEW YORK.

JOB LOTS OF HARDWARE

I buy and sell in any quantity complete lines of **HARDWARE. MANUFACTURERS** having **JOB LOTS** will find me a ready purchaser. **RETAIL DEALERS** will find my prices lower than any house in the business. . . .

A. N. JACOB, 491-493 Broadway, NEW YORK.

Hastings & De Baun,

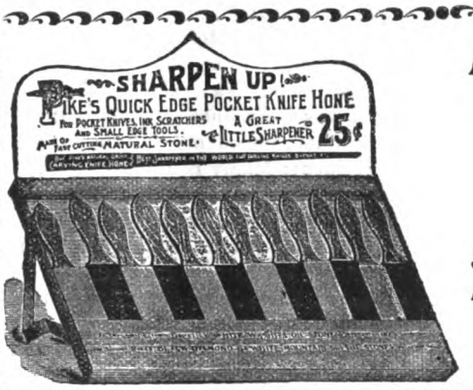
HARDWARE MANUFACTURERS' AGENTS,
124 Chambers St., New York.

NEW YORK OFFICE OF
THE PHOENIX HARDWARE MFG. CO.
MASON & PARKER. J. B. TATEM & SON.
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NEW YORK.

BONE BLACK

For Tempering and Filtering Purposes.



A Great Seller!

At a Good Profit.

Pike's Quick Edge Pocket Knife Hones, in display box, a practical sharpener for knives and scissors.

Send for Prices.

Scythe Stones, Oil Stones, Razor Hones, Etc.

THE PIKE MFG. CO.,
Pike Station, N. H.

REMEMBER THAT

DIAMOND CHAINS

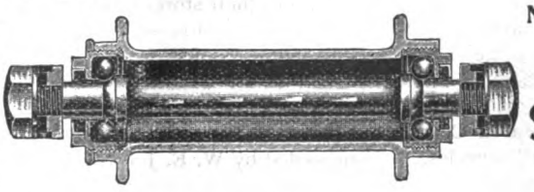
Are fitted with the ONLY PRACTICAL HARDENED RIVET MADE and don't fail to specify them when ordering wheels. . . . .



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INDIANAPOLIS, IND.

R. B. McMULLEN & CO., Chicago and New York, General U. S. Sales Agents.
New York Depot, J. S. Leng's Son & Co., 4 Fletcher Street.
Boston Depot, Very Cycle Co., 245 Columbus Avenue.
Pacific Coast Depot, Western Rubber Co., 14 Fremont Street, San Francisco.

SIMPLE SOLID SENSIBLE TIGER Bicycles.



No Castings! No Freaks! No Nonsense!

THREE GRADES,

$100, $75, $60.

Send for Art Catalogue M.

STODDARD MFG. CO., Dayton, Ohio.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Stores.

Anderson, Ind. — The Wosterfield Bros.' store and repair shop in the Opera House block.

Beeville, Tex.—W. T. Landridge.

Florence, Ala.—A. P. Hartland, on Mobile Street. He will conduct a bicycle repair business.

Fort Wayne, Ind. — Koehlinger Bros., Hardware, sporting goods, etc., at No. 31 East Columbia Street.

Geneva, Ohio.—D. R. Grace, bicycle repairer, will open in the Reid Block, on South Broadway.

Grand Blanc, Mich.—George Jones.

Newport, R. I.—J. Engel will open at No. 163 Prospect Hill Street.

Newton, Mass.—W. B. Jones, bicycles and bicycle repairing, at No. 326 Center St.

Owatonna, Minn.—John Gladboch, Hardware, sporting goods, etc.

Toledo, Ohio.—The Truman Cycle Co., at No. 311 Superior Street.

Watertown, S. D.—Max Duffner, on Oak Street.

New Companies, Agencies, Etc.

Boonton, N. J.—The W. C. Hubbell Bicycle Electric Lamp Co., of Scranton, Pa., (organized under the laws of Pennsylvania) have rented the old box factory on Myrtle Avenue, and as soon as possible will begin the manufacture of their goods, consisting of bicycle electric lamps and other articles. The president, W. C. Hubbell, is a practical electrician, well known in the electrical world. We understand that they will remove to this place and begin business at once. The company will employ about 25 hands, mostly girls.

Bristol, Conn.—The P. & F. Corbin Co., of New Britain, will build a factory in Bristol for the manufacture of bicycle bells.

Camden, N. J.—The Audubon Mfg. Co. has been incorporated by George A. Aldrich, and others, to manufacture bicycles. Capital stock, $25,000.

Charleston, S. C.—The Aiken Bicycle & Athletic Association has been incorporated with a capital stock of $500.

Charleston, S. C.—The Southern Cycle Co. has been incorporated, with W. H. Welch, president; R. H. Simons, vice-president; F. R. Lett, treasurer, and F. J. Kentinzing, secretary.

Chicago, Ill.—The Warman-Schub Cycle Mfg. Co., Chicago, has been incorporated by John A. Warman and others, to manufacture bicycles. Capital stock, $200,000.

Davenport, Iowa.—The Mason Carriage Works will handle "Liberty" bicycles.

Detroit, Mich.—The Detroit Improvement Co. Limited, has been incorporated. The capital stock is $40,000, all paid in by patents, and the stockholders are John T. Dodge, $19,900; Horace E. Dodge, $19,900; Michael J. Dee, $100; Fred S. Evans, $100. The company will deal in patents concerning bicycles and bicycle parts.

Indianapolis, Ind.—The Bruner-Munger Mfg. Co., bicycles, has been incorporated.

Indianapolis, Ind. — The Central Cycle Mfg. Co. is anxious to locate its factory in Denver, if the merchants of that city will offer the company a good inducement to build their works. They manufacture the "Ben Hur" wheel.

New York, N. Y.—The Henry Hall Co., of Highland Mills, Orange County, has been incorporated to manufacture fishing tackle, and deal in bicycle supplies. Capital stock, $40,000. Directors, Henry Hall and Esther A. Hall, of Highland Mills; Robert Humphrey and Alexander G. Hall, of New Brighton, S. I.

Peoria, Ill.—The Peoria Rubber Mfg. Co.'s "Peoria" tire will be handled in Ohio by the McIntosh-Huntington Co., Cleveland.

Richmond, Va.—The Manly B. Ramos Co. has been incorporated, with Dr. L. Thurston, president; T. Wiley Davis, vice-president; Manly B. Ramos, secretary and treasurer, to conduct a general merchandise business, to sell, make and repair musical instruments of all kinds, also all musical supplies, bicycles and sporting goods generally. The capital stock is not to be less than $1000, nor more than $15,000.

Wallingford, Conn.—The Treat Mfg. Co. has been organized to manufacture bicycle handles and sundries. Capital stock, $3000.

Waterloo, Iowa.—The Waterloo Mfg. Co. has fitted up basement of its large building on Bridge Street, for the making of high grade bicycles. The wheel will be called "The Garland."

Wilmington, Del.—The McLear & Kendall Co. has commenced the manufacture of bicycles. It is making the "Belmont" wheel.

Wrightsville, Pa.—H. Smith has taken the agency for the "Elm" bicycle, and will also carry a line of bicycle sundries.

Changes and Improvements.

Galveston, Tex.—John A. Payment & Co. William Falkenhaven retires; J. D. Burkehead admitted.

Hartford, Conn.—The Pope Mfg. Co. will erect new three-story factory building.

Hawarden, Iowa.—C. L. Stewart has been succeeded by M. J. Finch.

Houston, Tex.—C. L. & Theo. Bering, Jr., dealers in stoves, bicycles, etc., will double the size of their store.

Jacksonville, Fla.—The Columbia Bicycle Agency, Tom F. Harris, manager, Main Street, has moved into new and larger quarters on Bay Street.

Kearney, Neb.—H. S. Lambert has been succeeded by W. E. Jakway.

Louisville, Ky.—Elzy & Manuel, bicycle repairers, succeeded by Thos. E. Elzy.

Malden, Mass.—C. W. Coombs & Co., bicycles, have dissolved partnership.

Manistee, Mich.—Haskins & Olson, bicycle repairers, succeeded by Charles Haskins.

Savannah, Ga.—Lindsay & Morgan intend going out of the bicycle business.

Recent Embarrassments.

Boston, Mass.—Fenway Cycle Co.; reported to have made an assignment.

Freehold, N. J.—A. A. Zimmerman Mfg. Co., bicycle concern, organized three years ago, with Champion Arthur A. Zimmerman as the principal stockholder. J. F. Russell has been appointed temporary receiver. The Vice Chancellor granted a rule for cause to be shown why the receiver should not be appointed permanently. The liabilities of the concern are placed at $17,000. The assets are made up of real estate valued at $3000, and machinery and stock of an uncertain value, according to the bill of the complainant.

Grand Rapids, Mich. — The Hamilton Kenwood Bicycle Co. has failed, having filed mortgages amounting to $67,000. Slow collections.

Middletown, Conn.—The Worcester Cycle Co. has been attached.

Minneapolis, Minn.—H. A. Jacobs, reported to have made an assignment.

New Haven, Conn.—The New Haven Chair Co., manufacturers of bicycles and rolling chairs, have applied for receivership, and E. C. Mersick and Isaac N. Dann, president of the company, have been appointed receivers. The liabilities of the concern are reported to be about $85,000, and the lack of capital and business depression are given as the cause of the failure. The assets are not known.

St. Louis, Mo.—Grand Avenue Cycle Co. Harry C. McLean reported to have made an assignment.

St. Louis, Mo.—Shepherd Mfg. Co., bicycles, reported to have made an assignment.

St. Louis, Mo.—The Tilden Cycle Mfg. Co. made an assignment to James P. Williams, trustee for the creditors. The value of the property, which consists of a stock of bicycles, office and store fixtures, bills, accounts, etc., is about $4000. The company was doing business on the south side of Olive Street, between Twelfth and Thirteenth.

St. Louis, Mo.—Tidd Cycle Mfg. Co.; reported to have assigned.

Terre Haute, Ind. — The Terre Haute Mfg. Co., manufacturers of the Scheuer separable tandem bicycle; the Whiteley Malleable Casting Co. have asked for receiver for the above named company, alleging the company owes $60,000. Judge Piety issued a restraining order pending the hearing for a receiver.

Toledo, Ohio.—Ojisto Cycle Co.: mortgagee sale reported advertised.

Recent Fires.

Athens, Mich.—Wm. Grills, bicycle repair works, damaged by fire, at a loss of $200; no insurance.

Portland, Ore.—Frederick T. Merrill Cycle Co., destroyed by fire. Loss, $40,000; insurance, $8000.

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STERLING BELLS.



One Best THE Sterling.

Bells of all Description.
Send for Catalogue.

N. N. HILL BRASS CO.,
East Hampton, Conn.

Bells.



The belle of the ball on her escort leaned,
And so very happy the dear girl seemed,
That he took her aside to a cozy retreat
And told her the story that's always so sweet.



She perked up her lips, so enticing and fair,
And his own were reaching the heaven that's there,
When she said, "Dear boy, this is only a sell.
You'll first have to buy me that 'Climax' bell."

The new 1897 model "CLIMAX" Bell possesses without doubt the most improved Lock Clamp known. Can be adjusted to the Handle Bar quickly without removing the screw, thus saving all vexatious worriment in the operation, and at the same time presents a more attractive appearance than any other kind of an attachment.

We have just published a handsome little booklet to be carried in the vest pocket, containing lots of valuable information for the benefit of wheelmen. Send us a two-cent stamp and we will mail you a copy.

Climax Bell Co., 403 Washington St., Boston, Mass

BICYCLES FOR Hardware Trade.

High Grade and Low Priced Wheels.
MEN'S, LADIES' and JUVENILES.

NEW MAIL, Highest Grade, $85.

Featherstone and other lines, Medium Priced Wheels, offered as the

Best Lines in Market for 1897.

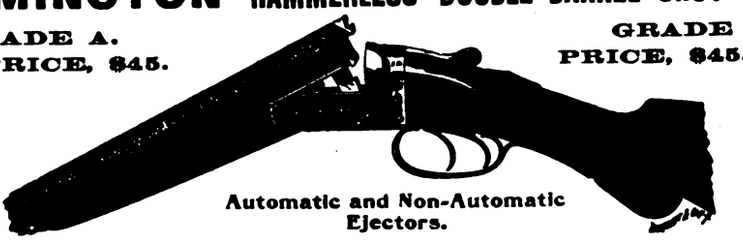
Surely get our quotations before placing your orders. Save you money!

Wm. Read & Sons, 107 WASHINGTON ST., BOSTON, MASS.

ESTABLISHED 1826.

REMINCTON HAMMERLESS DOUBLE BARREL SHOT GUNS

GRADE A. PRICE, $45.



GRADE A. PRICE, $45.

Automatic and Non-Automatic Ejectors.

Guaranteed for Nitro Powders and free from all imperfections. Twelve different grades from $15 up to $230, all grades have Damascus Barrels, English Walnut Stock, Case Hardened Frame, Automatic Safety, Purdy Fore-end Snap, Triple Bolt, Top Snap, Extension Rib with Bite, Flat Matted Rib.

Remingtons are sold by all dealers. SEND FOR ILLUSTRATED CATALOGUE.

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New York Office, 313-315 Broadway.

AMES SWORD CO., Chicopee, Mass.

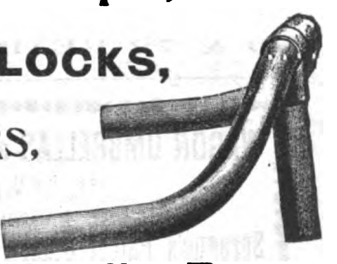
OUR SPECIALTIES:

PERFECTION PADLOCKS,

All Sizes, ½ inch to 2½ inches.

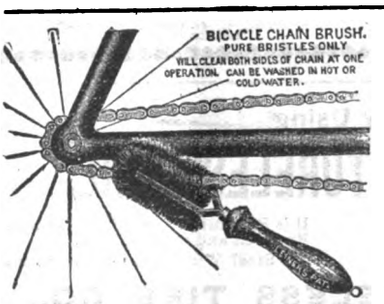
PROTECTOR REVOLVERS,

THE GREATEST NOVELTY OF THE AGE.



Compressed Seam Fork Sides and Handle Bars.

CORRESPONDENCE SOLICITED.



PRICE 15 CENTS.



PRICE 25 CENTS.

——Sent by mail upon receipt of price.——

Hall & Downing,
82 West Broadway,
NEW YORK.

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The Brighton Ice Shredder



MAKES SNOW BALLS.
MAKES COOL DRINKS.

Makes more money for merchants than anything on the market.

It is well made--Steel Knife--Self-Emptying Cover.

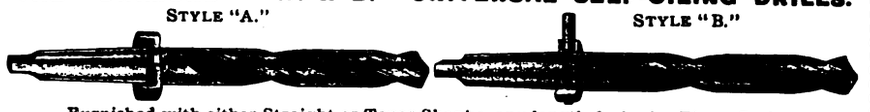
TINNED ALL OVER.

Send for Circulars and at same time ask about Lemon Squeezers, Fruit Presses, Ice Goods.

LOGAN & STROBRIDGE IRON CO., - New Brighton, Pa.

THE "DIAMOND" 'W. & B." UNIVERSAL SELF-OILING DRILLS.

STYLE "A." STYLE "B."



Furnished with either Straight or Taper Shanks, any length desired. Three Styles.
Send for Descriptive Matter and Special Discounts. MANUFACTURED ONLY BY
THE WHITMAN & BARNES MANUFACTURING CO.,
NEW YORK, N. Y. CINCINNATI, OHIO. CHICAGO, ILL. KANSAS CITY, MO.

SAGER SADDLES.

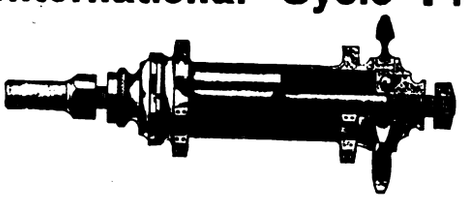
Largest Variety, Largest Quantity, and Best Prices.

Regular leather saddles, padded hygienic saddles and pneumatic saddles.
Insist on **SAGER'S** and you will get the best. . . . . .

Sager Manufacturing Co.,

Most Extensive Saddle Works in the World. **ROCHESTER, N. Y.**

International Cycle Fittings Co.



EVERYTHING FOR A WHEEL.

70 & 72 READE ST., NEW YORK, U. S. A.

WAGON UMBRELLAS and BUGGY CANOPIES.

Everything in that line.
Our motto: "Keep a-goin'."
Especial attention invited to

Sprague's Patent Giant Frame Wagon Umbrella.

It is the Strongest Umbrella on the globe.
Write to us, and let us prove it.

SPRAGUE UMBRELLA CO.,
Norwalk, Ohio.



The Bicycle Rider Made Happy By Using

THE STODDER PUNCTURELESS TIRE.

Leave your Repair Kit at home.

It is Puncture Proof, Light, Durable Resilient and Speedy. . . .
No Steel Wire. No Leather Strips.

STODDER PUNCTURELESS TIRE CO.,
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Only $1.17 each net

IN DOZEN LOTS.



Folding Bicycle Stands

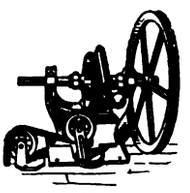
23 Inches.
Holds Six Wheels.

Wide Tops for Advertising.

FRED. HAWLEY,
40 Gold St., New York City.

THE COLUMBIA SAFETY.
Self-Retaining

Dumb Waiters

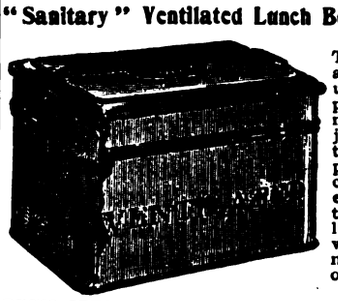


Elevators,
Cellar Lifts and Speidel's Safety Hoists. . . . . . .
Manufactured by

J. G. Speidel,

Send for Catalogue. **READING, PA.**

"Sanitary" Ventilated Lunch Boxes.



These boxes are made under our patents, are made of tin, japanned the color of paper boxes, can be cleaned out, are tight, ventilated and will outlast many paper ones.

ENNIS SPECIALTY CO., Sole Mfrs., **TROY, N. Y.**



COVERT MFG. CO.,
WEST TROY, N. Y.

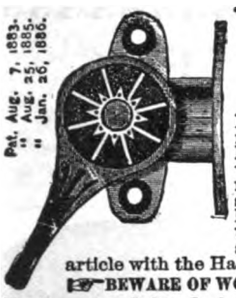
Derby Snap,

With Plated, Rust Proof and Guarded Spring. . . . .

"The latest and best."

For sale by Jobbers at Manfrs. prices.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS

The Champion Safety Lock Co., Cleveland, O

In Our Line of



Elevators & Hoists

We have a Hand Elevator especially adapted for use in stores, warehouses, etc., and we are sole manufacturers of

The Philadelphia Dumbwaiter.

Send for catalogue. . .

Energy Manufacturing Co.,

411 Cherry Street,
PHILADELPHIA, PA.

PARKS STOVE POLISHING MITTEN.



Best Made.

Write for Prices.

PARKS & PARKS, TROY, N. Y.

ELECTION OVER BUSINESS BOOMING.

A WARNING:

Send in your orders at once for the . . . . . ROGERS BRAND SILVER PLATED WARE.

We'll take them as they come — first come, first served—and we'd advise you to be one of the first

New, smart designs now ready in this

Unrivaled Brand of Silver Plated Ware.

MADE ONLY BY US.

FACTORIES:
Hartford, Conn.
Norwich, Conn.
Wallingford, Conn.
Taunton, Mass.

WM. ROGERS MFG. CO.,

Market Street, - - HARTFORD, CONN.

HOLMES & EDWARDS



Would like your business.





Their goods sell QUICK.

..THEY LAST FOR YEARS..

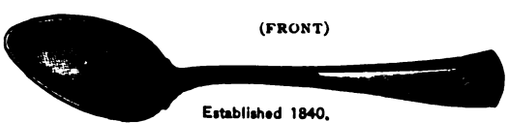
YOU Can Guarantee Them.

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

Highest Grade of Silver Plated Ware In Spoons, Forks, Etc.

Manufactured by

L. BOARDMAN & SON, East Haddam, Conn.



(FRONT)

Established 1840.



(BACK)

Also Nickel Silver Flat Table Ware and Britannia Spoons.

Write for Catalogue and Prices.

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States.

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of the following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.

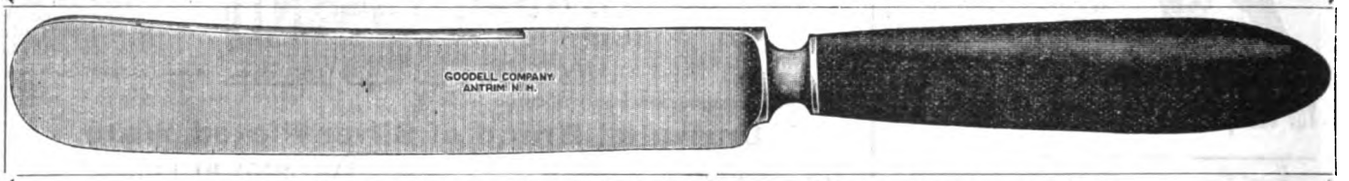
PLEASED with RESULTS.

John N. Hager, Fort Atkinson, Wis. [*Fork, Shovel, Rake and Hoe Brackets*]: Am well pleased with the results of my advertisement in HARDWARE.

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TO BUYERS OF CUTLERY

who may not be familiar with our line, we desire to say we make a large variety of Common Knives and Forks with Iron, Wood and Bone Handles; Solid Steel Bolster Rubber, Bone and Celluloid Handles; also Moiets; and, in addition, Carvers in a large variety of shapes, sizes and handles, also Apple, Butcher, Boning, Bread, Cigar,



Cheese, Hunting, Kitchen, Putty, Scraping, Sheath, Sticking, Skinning and Shoe Knives, Butter Spades, Butcher Steels, Can Openers, etc. . . . . .

ALL FULLY WARRANTED.

The present is a good time to put in order for fall stock. Our Catalogue is free.

Goodell Company, Antrim, N. H.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom,
96-98 Reade Street.

72 YEARS. ESTABLISHED 1825. 72 YEARS

Celebrated **HEINISCH** Shears



ACKNOWLEDGED THE BEST

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

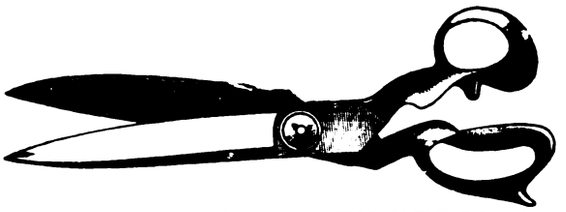
R. HEINISCH'S SONS CO.,

New York Office, 90 Chambers Street. NEWARK, N. J.



WHEN YOU WANT THE

Best Quality and Finest Finish



SHEARS, SCISSORS & TINNERS' SNIPS

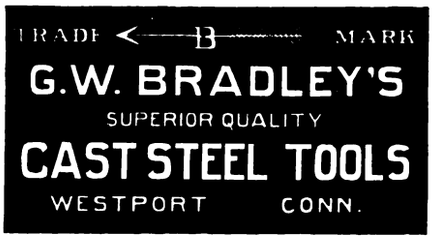
YOU SHOULD HANDLE THOSE MADE BY

J. WISS & SONS, NEWARK, N. J.

We make the Largest line of

Tailor Shears, Trimmers, Barber Shears, Bankers', &c.

WE make a specialty of High Grade Shears suitable for Mill and Factory use. No mechanic can afford to use poor tools. Ours are the BEST in the line, consequently the cheapest. . .



BUSH HOOKS, DRAWING KNIVES, TURPENTINE TOOLS, SHIP CARPENTERS' TOOLS,

&c., &c., &c.

Goods carried in stock in New York for prompt shipments

Underhill, Clinch & Co.,

—SELLING AGENTS,—

94 CHAMBERS STREET, NEW YORK.

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CATALOGUE FREE



GET OUR REDUCED PRICES



MYERS

WELL TANK & SPRAY PUMPS

HAY CARRIERS, FORKS, PULLEYS &c.



F. E. MYERS & BRO.

FULGER.CIN.

ASHLAND, OHIO.

BRUCE & COOK,

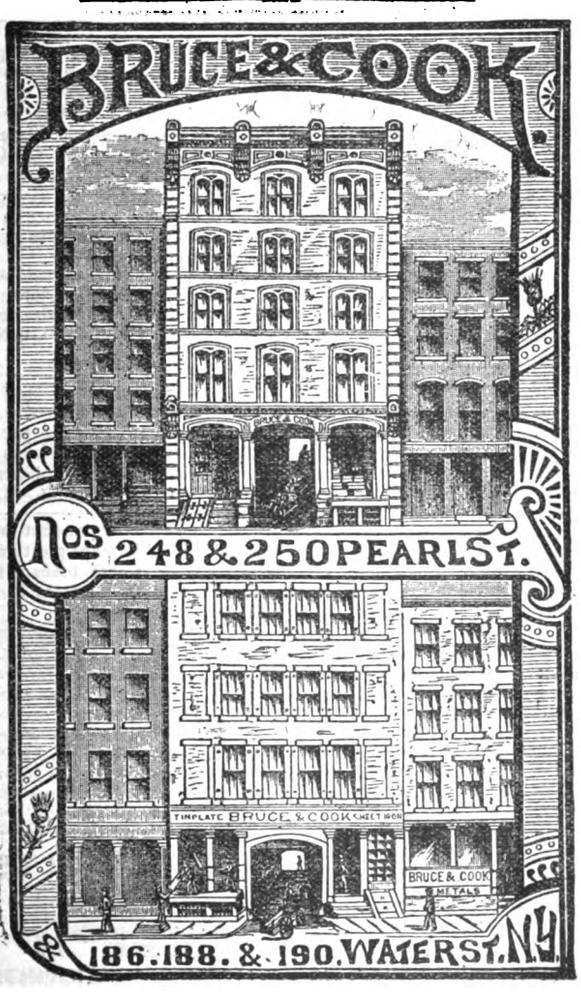
TIN PLATES AND METALS,

186, 188 and 190 Water St.,
248 and 250 Pearl St.,

NEW YORK.

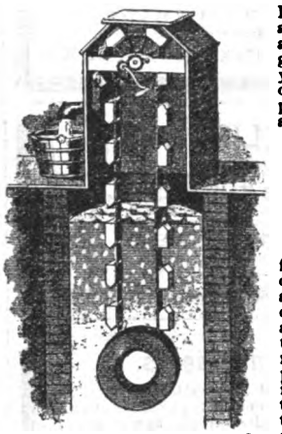
We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—
Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Mancer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

THE ONLY "PERFECTION" WATER ELEVATOR AND PURIFYING PUMP



It is the simplest structure for raising water on the continent; guaranteed never to freeze. . .

Dealers, get in line and sell your trade an article you can guarantee for ten years. The chain or buckets is the principal factor in any elevator. The **Perfection Bucket** is cut by die in one piece of **Black Open Hearth Steel** folded together by double lap seams, and the entire chain **Galvanized** after **Construction.** Others are made of several pieces of galvanized iron soldered together. Simply this one feature is a sufficient guarantee that the **Perfection** has no equal. It is handled by all leading jobbers throughout the world. Call for the **Perfection.** Take no substitute.

For full particulars, circulars, etc., address the sole manufacturers.

St. Joseph Pump & Mfg. Co., St. Joseph, Mo., U. S. A.

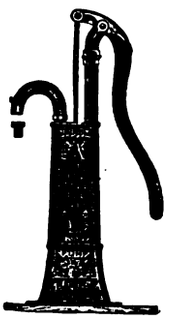
. . . THE . . .

CHASE PUMP & MFG. CO.,

Manufacturers of the Most Complete Line of

DOUBLE-ACTING FORCE LIFT and WIND MILL

PUMPS



On the Market.

The ONLY Pump with ALUMINUM VALVE SEAT.

Write for Catalogue and Prices.

THE CHASE PUMP & MFG. CO.,

Mention this paper. COLUMBUS, OHIO.

BRANCH HOUSES:

SCOBIE & PARKER, Pittsburg, Pa.
PARLIN & ORENDORFF CO., St. Louis, Mo.



PITTSBURGH PUMP CO.

MANUFACTURERS OF ALL KINDS OF

FORCE LIFT SPRAY TANK

PUMPS

SEND FOR CATALOGUE

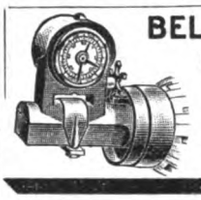
322 LIBERTY ST. PITTSBURGH PA.

Best Class Trade From Hardware Line.

Sager Mfg. Co., Rochester, N. Y. [*Bicycle Saddles and Specialties*]: We have received a large proportion of the best class of trade from the Hardware line. We always regard it advisable to dispose of our goods wherever we can do so to advantage. We see no reason why the Hardware trade should be excepted. . . . . .

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JOHNSTON'S LIQUID GLUE FOR ALL USES.
1 oz. bottles per gro. $5.00
2 oz. bottles per gro. $6.00
JOHNSTON'S IMPERIAL CARPENTERS' PENCILS.
OVAL, BEVELED, TRILATERAL, HEXAGON.
—HIGH GRADE.—
Price per gro. $5.00.
J. D. JOHNSTON, Newport, R. I.


BELL ODOMETER
For Carriages.
Records the distance traveled. Write for descriptive Circular H.
DAVIS, STEBBINS & CO.
Boston, Mass.

Seed's Reversible Self-Cleaning ... WATER FILTERS
BRASS, NICKEL PLATED.
No. A1 Per dozen, $4.00 No. 3 Per dozen, $1.50
No. 2 " " 2.50 No. 4 " " 1.00
In 5 Gross lots, 10 per cent. off.
J. H. SEED, Manufacturer,
21 and 23 Centre Street, - - NEW YORK.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

—ESTABLISHED IN 1874.—
ROCKFORD TACK COMPANY, ROCKFORD, ILL.
MANUFACTURERS OF
HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.
Also a full line of Shoe Finder's Tacks and Nails.
—Orders Solicited.—
Prices and terms quoted promptly on application


WOOD or METAL Workers
without steam power can save *time* and *money* by using our
Foot and Hand Power Machinery
Send for Catalogues—
A—Wood-working Machinery.
B—Lathes, etc.
SENECA FALLS MFG. COMPANY,
334 Water St., Seneca Falls, N.Y.

What Every Family Needs.
Pure Washed Filteration Quartz, free from all mineral impurities. Can be used in any filter or through cloth. . . Sold only by
The New England Filteration Co.,
564 Washington Street, Boston.



If you would use only the best use
Barnes National Writing Ink and Mucilage,
BARNES NATL. INK CO.,
NEW YORK & PHILADELPHIA.

TURNBUCKLES.

MERRILL BROS.,
466 Kent Avenue, Brooklyn, E. D., N. Y.

PATENT FOR SALE of a valuable Tinware Specialty already favorably before the trade. Offers wanted. Sample on application. Address
HOT COFFEE DINNER PAIL CO.,
Newark, Wayne Co., N. Y.


HOUSEFURNISHING HARDWARE & HARDWARE SPECIALTIES.
Basting Spoons, Cake Turners, Mincing Knives, Ice Tools, Tack and Nail Hammers, Hatchets, &c. Champion Cross Cut Saw Handles, &c.
KNAPP & PRATT MFG. CO.,
GENEVA, OHIO.

ON OUR AD. LIST AS ONE OF THE BEST.
Troy Nickel Works, Troy, N. Y. [Alaska Stove Hardware]: HARDWARE is on our advertising list as one of the best. We will be glad to keep you in this position.

EACH YEAR RECEIVED BETTER RESULTS.
Standard Tool Co., Cleveland, Ohio. [Tools]: During the five years we have had an advertisement in HARDWARE we have each year received better results.

BEEN WITH YOU FROM THE BEGINNING.
Union Metallic Cartridge Co., New York. [Ammunition]: We have been with HARDWARE as advertisers from the beginning and expect to continue.

Hardwaremen's Exchange.

Notices of ***HELP WANTED*** *or* ***SITUATIONS WANTED*** *will be inserted in this column free of charge. Should not exceed Four Lines.*

ALL OTHER NOTICES, *twenty-five cents per line.*

Help Wanted.

WANTED resident agents in all cities not already covered, to sell our National Feed Boxes. This article is a startling success and has no competition. Active canvassers can make good profits. Address NATIONAL FEED BOX CO, No. 137 McGraw Building, Detroit, Mich.

A FACTORY superintendent wanted—A thorough mechanic with $3000 to $5000, must be a good Tool and Die maker who is able to take full charge of a Specialty Hardware and Stamping Factory; to such a man a good opportunity is offered. State experience and references. None need apply knowing they cannot fill requirements. Address HENRY BERG, No. 375 Kennard Street, Cleveland, Ohio.

RESIDENT agents wanted in all parts of the country to handle fastest selling and best paying Hardware specialty on the market. Address with references, stating territory desired, etc., MANUFACTURER, care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

POSITION wanted by a salesman well known among the Hardware, Housefurnishing goods and Department store trades; fifteen years' experience in New York and New England; best of references. Address H. N. P., care HARDWARE, No. 143 Chambers Street, New York City.

YOUNG man, aged 22, excellent writer and figurer, ambitious and competent, experienced in Hardware line; reference and bonds; desires position as Bookkeeper Assistant, Bill, Entry, Office or Shipping Clerk and Collector, etc. Address HOFFMAN, No. 11 East 106th Street, New York City.

EXPERIENCED Hardware salesman with large acquaintance in the South, desires position as traveling salesman to represent Hardware manufacturer or commission house. Is a native of the South and has about twenty years' experience on the road. Would be willing to take other territory than the South. Unexceptionable reference given. Address "HARD WORKER," care HARDWARE, No. 143 Chambers Street, New York.

POSITION by young man of ten years' experience in Hardware business. Have had experience both on road and in store. J. E., care HARDWARE, No. 143 Chambers Street, New York.

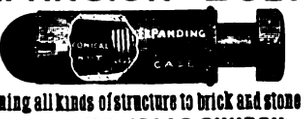
BICYCLE repairer and builder wants position with Hardware store handling wheels to make repairs and build to order new wheels during the season; other odd jobs in winter. GEO. GOULD, No. 114 Freeport Street, Dorchester, Mass.

AMERICAN, 30 years old, would like to hear at once from manufacturer desiring Boston manager or representative. Advertiser is competent to buy or sell goods, is a practical bookkeeper and correspondent and understands advertising. Seven years' business experience and as traveling salesman. Reference as to character, ability and temperate habits. Address H. G. C., P. O. Box 2981, Boston, Mass.

WANTED—Young man, business correspondent and office manager of fifteen years' practice would accept position with manufacturing company or jobbing house. Or would manage branch office or travel in the far West and Pacific Coast. Address BUSINESS, Drawer No. 79 Milledgeville, Penn.

POSITION as salesman, indoor or road; Philadelphia, or New York and vicinity preferred; 20 years' experience Hardware and cutlery, eight on road; thoroughly posted. Address DAVID HUGHES, No. 1121 G Street, N E., Washington, D. C.

BY a thorough Hardwareman, aged 32 years, 18 years' experience; situation as either in or outdoor salesman; can furnish best of references. Address G. B. W., No 28 South Fifth Avenue, Mount Vernon, N. Y.

EXPANSION BOLTS


For fastening all kinds of structure to brick and stone work
Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue B. Toledo, Ohio.

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Situations Wanted.

RAZOR manufacturing foreman desires to change location; 21 years' experience. Any good cutlery concern wishing to make their own razors, might increase their profits by addressing RAZOR MAKER, care HARDWARE, No. 143 Chambers Street, New York.

A TRAVELING salesman with seven years experience in builders and general Hardware; can furnish A1 references as regards ability and integrity. Address A. P. H., care HARDWARE, No. 143 Chambers Street, New York.

A MIDDLE-AGED man of an extensive acquaintance in Eastern North Carolina wishes a position as a traveling salesman of Hardware; can command a good trade. Address L. R. LAND, Norfolk, Va.

DIE-MAKER—Position wanted A1 practical die and tool maker, well up in all latest improved dies and tools for novelty or general Hardware, Dies for Blanking, Drawing, Stamping, Forging, Piercing, etc., for all sheet metals as Brass, Iron, Steel, Aluminum, etc., well up in modern shop methods to increase production; can design and develop ideas; have had ten years' experience in best shops of Massachusetts and Connecticut. Can accept first week in May. Best of references as to ability and character. Address DIE MAKER, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Situation as house or traveling salesman with Hardware or bicycle house. Fifteen years in retail Hardware and six with bicycles. Also have traveled a little. Can give best of reference. Address L. B. 84, Castile, N. Y.

WANTED—Thoroughly experienced bookkeeper, correspondent or office man desires position with responsible wholesale or retail firm. Address J. G. R., box No. 533, Lake Mills, Ia.

WANTED—By young man a position in wholesale or retail Hardware store, inside or outside. Have had six years' experience; can give all references; speak German and English. Address RELIABLE, care of HARDWARE, 143 Chambers Street, New York.

YOUNG man, 21, over six years' experience in offices of large Hardware concerns. Best references. Good writer and figurer. Ambitious. Address A. B. H., No 41 East 106th Street, New York City.

YOUNG man (28) practically experienced in manufacturing and selling metal ware, moderately familiar with important European languages, wants position with concern intending development of foreign trade. Willing and able to do any other work in addition when desired. A. M. ENERGETIC, care HARDWARE, No. 143 Chambers Street, New York.

By a man who has had sixteen years' experience in the Hardware line. Knows entire business and acquainted with city trade and trade within a radius of 100 miles of New York City. Address, TROWEL, care HARDWARE, No. 143 Chambers Street, New York.

Position wanted by a young man 27 years of age, eight years' experience in wholesale Hardware business, Bicycle and Export business, as Stenographer and correspondent. Understands office work thoroughly; also book-keeping. Export business preferred. Address, K., care HARDWARE, No. 143 Chambers Street, New York.

WANTED position with wholesale Hardware house, or stove manufacturer, as traveling salesman, or grocery house. Have had experience, especially on the road. Best of references furnished. Address M. U. N., care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a practical metal pattern maker. First class on ornamental work, and a good chaser. An expert on cored work. Nine years' experience as foreman, and competent to design and make dies, tools, jigs, etc.; to manufacture specialties in the most economical manner. Reference. Address MECHANIC, care of J. W. Leix, No. 717 Clinton Street, Ottawa, Ill.

THOROUGHLY experienced bookkeeper, correspondent or office man desires position with responsible firm. Best of references. Address J. C. H., P.O. Box 261, Rochester, N. Y.

DESIRED by a practical Hardwareman a permanent position with some live house. Understands thoroughly builders' Hardware and mechanics tools. Salary moderate; reference of the best. Address PRACTICAL, care HARDWARE, No. 143 Chambers Street, New York.

A MAN of long experiense in the Hardware business desires a position with a manufacturing concern, preferably builders' Hardware; has held position of responsibility and in managerial capacity. Address B. H., care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted.—A salesman well known among the Hardware export, housefurnishing and department store trade is open for engagement. Address H, care of HARDWARE, No. 143 Chambers Street, New York

WANTED a position as stenographer by a lady who has had over five years' experience with a large Hardware jobbing house. Best of references given and required. Address F. E. W., No. 723 Church Street, Lynchburg, Va.

AN A-1 metal pattern maker, experienced in various lines, desires situation. Address PATTERN, care HARDWARE, No. 143 Chambers Street, New York City.

SITUATION wanted.—A practical Hardwareman; been four years with a first-class house as price and discount clerk; a rapid and accurate figurer; a hard worker; references first class. Address DISCOUNT, care HARDWARE. No 143 Chambers Street, New York City.

WANTED—BY young man 29 years of age; has had ten years' experience in wholesale builders' and general Hardware, in or outside position with wholesale or extensive retail store. Address RUSSELL, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

A TRAVELING salesman wishes a good side line for Illinois, Missouri, Iowa, Kentucky, Indiana and Ohio. Address I. N. D. care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman wishes one or more good side lines for the New England States. Will start about the 10th of March. Trade visited: Hardware, Harness and Carriage repositories, Clothing stores. A1 references. Address MONITOR, No. 402 Bronson Avenue, Rochester, N. Y.

A WELL-KNOWN firm, representing several factories as New York office, wishes to add at least three good lines either on commission or salary. Address MANUFACTURERS' AGENT, care HARDWARE, No. 143 Chambers Street, New York.

WANTED.—Side line, by salesman calling on the Hardware trade. Address M. A. N., care of HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WE offer good side lines to those calling on Hardware, harness, carriage manufacturers and department stores, both wholesale and retail. Address FERNALD MFG. CO, North East, Pa.

WANTED a Commission House to market in the United States a Hardware Specialty. Address Box 255, Perth, Ont.

SALESMAN wanted who calls on the retail Hardware and drug trade in New York State and Pennsylvania to sell a line of Razors Strops as side line. Address "B," care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN wanted visiting the Hardware trade, to sell a high grade metal polish. Good inducements. Address CROSS, care T. J. Nay & Co., Nos. 18 and 20 Franklin Street, Brooklyn, N. Y.

PARKER'S Folding Bicycle Stand—a good seller and profitable. Address F. HAWLEY, No. 40 Gold Street, New York.

Tools Wanted.

COMPLETE set of new or second-hand Tinners' Tools wanted, Stowe's make preferred; must be cheap. Address J. S. RIDENOUR, Jackson, Ohio.

Store Wanted.

TO BUY—Wanted a Hardware store. Address E. I. P., care A. Seelig, No. 10 Second Avenue, New York.

For Sale.

A CLEAN stock of Hardware and stoves in county seat of best agricultural county in Ohio. Established business. Must give attention to other interests. Address "NORTH," care HARDWARE, No. 143 Chambers Street, New York.

Attention! Hardware Dealers!

WANTED—Hardware dealers who handle bicycles to write us for particulars regarding Norwood Bicycles. HALL & DOWNING, No. 82 West Broadway, New York.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Agency Wanted.

GENTLEMAN with over twenty years' experience in general Hardware, wishes to correspond with some manufacturers with a view of representing them in the South. Address J. W. JOHNSON, Drawer, Birmingham, Ala.

A MAN of fine experience in miscellaneous Hardware, tinware and housefurnishing goods (is now employed), desires to make changes. Wants to represent best houses. Prefers those who seek all available dealers and make prices "F.O.B. destination." Large trade acquaintance in North and South Carolina. Address STRICTLY COMMISSION, care Carrier No. 7, Charleston, S. C.

WANTED by a young man with thirteen years experience, to represent some Horse Shoe or Horse-Shoe Nail Manufacturer or Manufacturers' Agent; can furnish best of reference. Address EXPERIENCE, care HARDWARE, No. 143 Chambers Street, New York.

AMERICAN, 29 years old, experienced in business and a salesman, offers his services in Boston and New England on commission basis to manufacturers producing salable line of goods, and in such a thorough representation will be assured. Address H. C. D., care HARDWARE, No. 143 Chambers Street, New York City.

Rubber Agency Offered.

CYCLE Tires $4 88 pair; best '97's; Durable, Resilient; Full Guarantee. MINERALIZED RUBBER CO., No. 18 Cliff Street, New York.

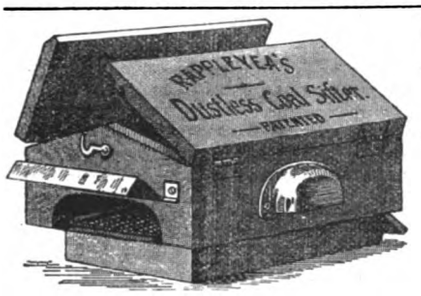
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WRITE FOR QUOTATIONS



GET OUR PRICES BEFORE ORDERING.

Mention "Hardware."



Rappleyea's Dustless Ash Sifter

WILL LAST A LIFETIME.

Price, Complete, $1.00.

MANUFACTURED BY . . . .

THE NEWBURGH SIFTER MFG. CO.,

Newburgh, N. Y.

E. F. BENSON, JR.,

SOLE NEW ENGLAND AGENT,

146 Franklin St., Boston, Mass.

A BIG MONEY MAKER!

THE NEW ROTABLE **PLEASURE WHEEL**

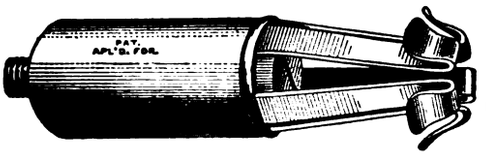


Patented April 11, 1897.

Here is an unlimited field for good hustlers to make big money at a small investment. Just the thing for Picnics, Holiday Events, County Fairs, Pleasure Resorts, etc. Can also be taken into country towns where amusements are scarce and a large profit realized. Is easily handled and can be set up or taken down in several hours time. Write at once.

THE STROBEL MFG. CO., Marion, Ohio.

FITS ANY GAUGE.



Price, 75 cents.

THE

Favorite Gun Cleaner

Removes thoroughly all deposit from gun barrels without injury.

SEND FOR SAMPLE.

The Bridgeport Gun Implement Co., 313-315 Broadway, New York City.



"The Family Steam Laundry."



WASHING MADE EASY.

Complete Portable Steam Laundry Combination

For family use. Washer, Boiler, Adjustable Stove, Attachment for Wringer, etc. ALL IN ONE. It will Wash, Boil, Steam, Rinse, Blue, Heat Irons, make Starch and Cook your Dinner all on the one machine, in the most Perfect manner, and Quickest Time and Least Labor, without any Wear or Tear, without Lifting Wringer, Slopping the Floor or Breaking your Back over a Washboard and Tub. Get one and be Free Forever from Washtubs, Washboards, Washboilers, Laundry Stove, Rubbing your Clothes, Sore Knuckles and Scalded Hands. Strong, Durable, Handsome and Easily Operated. Heated by natural gas, artificial gas, gasoline or oil.

W. R. HARRISON & CO.,

Office, Factory and Salesrooms, Walnut St., Massillon, Ohio.

Howard Iron Works,

BUFFALO, N. Y.

Manufacturers of

Bench Vises.

Price Lists sent on application.



LACLEDE-HERCULES BATTERIES

For Door Bells, Telephones, and Annunciators.

WARRANTED stronger and longer lived than any other Sal-Amoniac Battery made. . . . . .

MADE ONLY BY

PERU ELECTRIC MFG. CO.,

PERU, IND

ALSO MAKERS OF

ELECTRICAL PORCELAIN

OF ALL KINDS

◆ Send for Catalogue. ◆

SHOOT BLUE ROCKS.

For Sale by all Jobbers.

Foreign Trade Supplied Direct or Through Exporters.

The Cleveland Target Co.,

Cleveland, Ohio

"IN YOUR COLUMNS FROM THE FIRST."

Van Wagoner & Williams Hardware Co., New York and Cleveland. [*Hinges, Anvils, etc.*]: Having been represented in your columns almost from the first issue, we have a feeling of pride and pleasure in your achievements.

"ADVERTISEMENTS HAVE GIVEN RESULTS.

W. C. Heller & Co., Montclair, N. J. [*Mail Boxes, Grips, Plows, etc.*]: Our advertisements in your columns have given results that assure us that they are closely watched by the trade.

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PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—

House Carpenters..... } 40&12½%
Ship Carpenters..... }
Railroad. .....

Ammunition—

CAPS, PERCUSSION—₩ 1000—
M. C. Co. and Hicks, trimmed edge.....47 @ 50c
U. M. C. Co. and Hicks ground edge.....47 @ 50c
Musket, Waterproof, 1-10's..45 @ 50c
G. D.....28 @ 30c

CARTRIDGES—

Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.10@1.15
B.B. Caps, Con. Ball, Swgd $1.75@1.80

PRIMERS—

Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—

First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....25&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.. .....65&2%

SHELLS, LOADED—

With Black Powder...40&10&10&5%
With Nitro Powd'r.40&10&10&10&5%

GUN WADS—₩ 1000—

B.E., 11 up.80c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 25&2%

SHOT—

Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.25
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.50
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.50
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$2.00
Dust Shot, 5-lb bags, ₩ bag.....$ .50
Jobbers frequently deduct 5@10 cents ₩ bag.

POWDER—

Laflin & Rand:
Orange Rifle ex., kegs 25 lb $4.00
12½ lb 2.25
6¼ lb 1.35
Orange, Special, kegs 25 lb 5.00
12½ lb 2.75
6¼ lb 1.50
Orange Ducking, kegs ..6¼ lb 2 25
[For 1000 lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.25
Blasting and Mining, B. 25 lb 1.50
Laflin & Rand W.-A. Smokeless:
Sing'e Canisters.....$1.00
10 Can Drums.....$9.00
Discounts on application.

CANISTER POWDER—

E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12

KEG POWDER—

Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 4.00
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.25
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 4.00
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 2.25
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.25
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 5.00
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.75
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.50
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50
Du Pont Sporting Powder, for lots 1000 lb 10% discount:
Du Pont Smokeless Powder:
Kegs, equal in bulk, to 25 lb Black Powder.....$22.00
Half Kegs, equal in bulk to 12½ lb Black Powder..... 11.25
Quarter Kegs, equal in bulk to 6¼ lb Black Powder..... 5.75
Canisters, equal in bulk to 1 lb Black Powder..... 1.00
Discounts on application.

HARD GRAIN SMOKELESS—

Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

TARGETS AND TRAPS, INANIMATE—

Cleveland Target Co.:
Blue Rocks ₩ 1000 .....$5.50
Expert Traps, each.....$5.50
Extension Traps, each.....$4.00

Animal Pokes—

R. W. Montross, Galien, Mich.:
Camp's Success.....₩ doz. $3.80
Galien Safety.....₩ doz. $3.75
Hartman's Pivot.....₩ doz. $4.75
Iowa Farming Tool Co.:
Hawkeye.....₩ doz. $3.25
Western.....₩ doz. $3.75

Anvils—

American "Horse-Shoe"...9½@9¾c
Armitage's Mouse Hole.....8¾@9¼c
Eagle Anvils, ₩ lb 9c.....15@15&5%
Hay-Budden, Wrought.....8¼@8¾c
Peter Wright's.....9¾@10¼c
Samson.....8¼@9c
Trenton.....8¼@9c

ANVIL AND VISE COMBINED—

Cheney Anvil and Vise.....40%
Holt's.....40@40&10%
Millers Falls (with drill) $18.00..20%

Augers and Bits—

Boring Machine .....70&10@75%
Cincinnati Tool Co.:
Bell hangers' bit.....40%
Brace twist drills for metals. 50&5@50&10%
Brace twist drills for wood. 40&5@40&10%
Screw and plug.....35&10&10%
Cleveland Wood Bits for Brace, Style A, No. 114.....50&5%
Common.....70&10@75%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Forstner Pat. Bits.....25%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
Nobles Double Spur, No. 33.70&10%
No. 10 Extension Lip.....40%
No. M Extension Lip pattern car bit.....40%
Pat. Car Bits, No. 10.....40%
Pat. Car Bits No. 30.....60%
Ring Augers.....70&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Russell Jennings' Augers and Bits. 25&10&2½%

HOLLOW AUGERS—

Bonney's Adjustable, No. 4, $14.00, 20%
Cincinnati Adjustable.....25&10%
Cincinnati Standard.....25&10%
Douglass'.....33⅓@33⅓&10%
Ives.....33⅓@33⅓&10%
Millers Falls, Goodell....15&7½&10%
Universal, each $4.50.....20%

EXPANSIVE BITS—

C. E. Jennings & Co.....33⅓%
Cincinnati.....25&10&10%
Clark's small, $18.00.....45%
Clarks' Large, $36.00 .....45%
Ives' Model, ₩ doz. $60....50@50&10%
Steer's No. 1, $26; 2, $18.....40%
Stearns' No. 2, $48.....20%
Swan's.....40@40&10%

GIMLET BITS—

Diamond ₩ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 50&10%
Double Cut, Common, ₩ gro. $3.75 @$3.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ladds'.....70%
C. E. Jenning & Co.:
Double Cut.....70%
German.....50%

BIT STOCK DRILLS—

Cincinnati Tool Co., for wood.40@ 40&10%
Cleveland Wood Bits for Brace 50&5%
Syracuse, for wood.....40%

TWIST DRILLS—

Cleveland.....60&5@60&10%
Morse Twist Drills.....60&5@60&10%
New Process.....60&5@60&10%
Standard.....60&5@60&10%
Syracuse.....60&5@60&10%

SHIP AUGERS AND BITS—

L'Hommedieu's.....15&10%
Snell's.....30&10@40%
Watrous'.....40%

Awls—

Dunlap's Brad.....25%
Dunlap's Handled.....25%
Handled Brad, ₩ gr.....$3.00@$3.25
H'ld Scratch ₩ gr.....$3.75@$4.00
Pat. Peg ₩ gr.....35@35c
Sewing, Com.....₩ gro., 85c@$1.00
Should. Peg ₩ gr.....$1.35@$1.45
Shouldered Brad. ₩ gr...$1.50@$1.65
Socket Scratch ₩ doz....$1.07@$1.10
Stanley Rule & Level:
Handled Brad..... .....40&10%
Patent Pegging.... .....50&10%

Awl and Tool Sets—

Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10..... 60&10@60&10&5%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Ice Awls.....55%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18.. 15@15&10%
C. E. Jennings & Co.'s Adjustable Tool Handle, No. 10, $3.50; 45, $4.50; 65, $6.00; 75, $9.00; 175 $10.00 ₩ dozen net.

Axes—

First quality, best brands.$5 00@5 25
First quality, other " $4.50@4.75
Beveled add 50c ₩ doz.

AXES, HANDLED—

Peck's:
Champion Blade...per doz., $12.00
Empire.....per doz., $9.00
Firemans'.....per doz., $25.00

HATCHETS—

Collins.....10%
Findlay Axe & Tool Co...50@50&10%
Hunt's, Underhill's or Blood's... 50@50&10%
Peck's:
Champion Blade.....45%
Empire Brand.....50&10%
Fayette R. Plumb:
Broad, New List.....40&12½%
Lathing.....50%
Shingling.....50%
Warehouse.....40&12½%
Vulcan Tool Co.....60%

Balances—

Chat llon's:

No.	2000	20	30
₩ doz.	75c	85c	$1.65 net

Circular Balances.....60%
Straight Balances.....50%
Circular Spring Balances.50&10@60%
Common 24 lb. .....₩ doz. 80c net.
Ice.....50&10%
Straight Spring balances.50&10@60%

Barrel Drainers—

National.....80%

Beef Shavers—

Enterprise:
Japanned, each, $6.50.....20%
Tinned, each, $7.50.....20%

Bells—

HAND—

Extra Heavy Brass.....65&10%
Light Brass.....70&10%
Globe (Cone's Patent).....40%
Silver Chime.....40%
White Metal.....65&10%

DOOR—

Crank, Cone's.....10%
Gong, Abbe's.....40@40&10%
Gong, Barton's.....40&10@50%
Gong, Yankee.....55&10%
Lever, R. & E. Mfg. Co.'s.60@60&10%
Multi-Stroke.....50%
New Departure.....45@50%

COW—

Common Wrought.....80&10%
Dodge, Genuine Kentucky 70@70&10%
Kentucky, Sargent's List.....75%
Texas Star.....50&10%
Western, Sargent's list.....75%

Bellows—

Blacksmith's.....70@70&10%
Hand.....50&5@50&10&5%
Moulders.....50&5@50&10&5%

Belting, Rubber—

Boston Belting Co.:
"Boston".....50&10&5%
"Imperial," seamless, stitched 40&10%
Cleveland Rubber Co.:
Buckeye.....60&10%
Shield High Grade.....50&10%
War. 2 XL.....40%
Common Standard.75&10@75&10&5%
Extra.....60&10&5@70%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Standard.....70&10@75%

Bench Stops—

Cincinnati.....25&10%
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Terrell's No. 1 and 2, $3; No. 3, $3.00 ₩ doz.....20%
Millers Falls.....15&10%

Bit Holders—

Angular.....40&5%
Extension:
Barber's, ₩ doz. $15.00.....45%
Ives'₩ doz. $20.00.60&10@60&10&5%

Blind Adjusters—

Domestic..₩ doz. $3..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
N rth's.....10%
Zimmerman's.....50&10@50&10&10%

Blind Fastenings and Tenons—

Austin & Eddy ₩ gro. sets.....$5.50
Gorhans Improved Star Tenon ₩ gro. $1.00.....25%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Millers Falls ₩ set $1.00.....15&10%
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9.00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel 60&10@70%
Com. Jap'd Sheaves...70&5@70&10%
Lanes:
Junior, Self Sustaining.....30%
Pat. Automatic.....
Perfect Safety.....30%

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Regular Iron Strapped Blocks 70&5@70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c.....70%
Cast Iron Chain.....50&10%
Cast Iron Shutter Bolts.....70%
Ives' Patent Door Bolts...60&10&5@60&10&10%
Wrought Barrel.....75@75&10%
Wrought Square..70&10@70&10&10%
Wr't Shutter, Standard list.....70%
Wr't Shutter, Sargent's list.....70%
Wr't Sunk Flush, Sargent's list. 50&10@50&10&10%
Wr't Sunk Flush, Stanley's list 50&10@50&10&5%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&5%
Window Spring.....75%
Window Spring Bolt Socket.....70%

CARRIAGE, MACHINE, &C.—

Bolt Ends.....80@80&5%
Machine.....75&10@80%
Carriage, Common.....75&5@75&10%
Norway Iron, list Oct '84..80&10@80&15%
Phila., Eagle, list $3.00.....85%
R. B. & W., $2.40 list.....70%

TIRE—

American Screw Co.:
Bay State, Plain list Feb. 26, '96, 75&10%
Bay State, Fluted.....80%
Eagle Phila., list Feb. 26, '96....85%
Norway, Phila., list Feb. 26, '96. 80%
Common, list Feb. 28, '83..75@75&10%
Eagle.....85%
R. B. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—

Plow.....60&10&10@70%
R. B. & W., Plow.....65%
Stove.....75&10%

MISCELLANEOUS—

Sink.....75&10%
Sleigh Shoe.....85%

Bone Mills—

Enterprise.....20%

Borers, Tap—

Common and Ring.....20&10@35%
Enterprise, No. 1, $1.50; 2, $2.00; 3, $3.00 each
Ive's.....33⅓&5%

Boring Machines—

Without Augers.

	Upright.	Angular.
Douglass'	$2.50	$3.00
Jennings'	3.50	3.00
Millers Falls	7.50	15&10%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	7.50
Snell's, Rice's Pat.	2.50	3.75

Bow Pins—

1¼ inch, ₱ gro.....$4.50@$5.00
2 inch, ₱ gro.....$5.00@$5.50

Boxes, Mail—

Heller's.....40&5%

Braces—

Barber's.....50&10@60&10%
Barber's Ratchet.....60@60&10%
Bartholomew's:
Nos. 25, 27 and 30.....70@75%
Nos. 117, 118, 119.....70&75%
Common Ball American..$1.10@$1.20
Ives':
Barbers'.....60&5%
Barber Ratchet.....60@60&10%
New Haven Novelty....70@70&10%
New Haven Ratchet.60&10@60&10&10%
Spofford.....60&5@60&10%
C. E. Jennings & Co.:
No. 108@114¼.....60&10%
No. 208¼@214¼.....60%
Peck's (P. S. & W. Co.)...60@60&10%
Gen. Spofford's.....50&10&5%

Brackets—

Door Screen.....70&10%
Moore's.....70&5%
Shelf, Bradley's Patent.....80%
Shelf, Plain, Regular list.....70&10%
Shelf, Fancy, Sargent's list.60&10@60&10&5%
Window Screen Corner.....70&10%
Reading, plain.....70%
Reading, Rosette.....70%

Bright Wire Goods—

Standard list.....85@85&10%

Bull Rings—

Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%
Sargent's.....80@80&10%
Seymour Smith & Sons.....60%

Butcher's Cleavers—

Beatty's.....40&5@40&10%
Bradley's.....35@35%
Dunlap's Family.....25%
Foster Bros. Flat Hds.....30%
Foster Bros. Round Hds.....40%
L. & I. J. White.....25%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....35⅓&5@35⅓&10%

Bung Hole Borers—

Enterprise.....25%
C. E. Jennings & Co.:
No. 6.....40%
No. 10.....30%

Butter and Cheese Triers—

Ordinary Black Handle.....25%

Butt and Rabbet Gauges—

Stanley's.....25&10%

Butts—

BRASS—

Cast Brass, Fast Joint....40@40&10%
Cast Brass, Ice House.....40%
Cast Brass, Loose Joint...40@40&10%
Wrought Brass, List Sept. '96.4.3@40&10%

CAST IRON—

Loose Joint.....75@75&5%
Loose Joint, Japanned.....75@75&5%
Loose Joint, Jap. with Acorns, 75@75&5%
Loose Pin.....75@75&5%
Mayer's Hinges.....75@75&5%
Parliament Butts.....75@75&5%
Sargent's:
Fast Joint, Broad.....60&10%
Fast Joint, Narrow, ...60@60&10%

WROUGHT STEEL—

List, April 1, 1895.
Bronzed Inside Blind Butts.50&10@50&10&5%
Bronzed, Narrow.....
Fast Joint, Narrow.....
Fast Joint, Light Narrrow....
Fast Joint, Broad..... } 75%
Loose Joint.....
Loose Pin.....
Table Butts, Back Flaps, etc..

Can Openers—

American.....₱ gross $1.75@$1.90
Champion, ₱ doz. $3.00.....50%
Columbian.....₱ gro. $14.40
Dunlap's Iron Handle, No. 3 ₱ gr. $13.00.....25%
Dunlap's Sardine Scissors, ₱ doz. $5.00.....25%
Dunlap's Wood Handle No.2$1.75.35%
Goodell's Acme, ₱ gr. $8.00; ₱ doz.75c
No. 5, Iron Handle, ₱ gr....$2.00@2.25
Sardine Scissors...₱ doz. $2.0@2.25
Sprague, No. 1, $2.00; No. 2, $2.25; No. 3, $2 50.....70%
Universal, ₱ doz. $3.00.....55&5%
World's Best, ₱ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%

Cards—

Cotton.....20@25%
Horse and Curry.....20@25%
Wool.....20@25%

Carpet Stretchers—

Bullard's.....33⅓%
Cast Iron Steel Points, ₱ doz.75@$1.00
Cast Steel, Polished.....₱ doz. $2.25
Dunlap's.....25%
Excelsior.....25%
Socket.....₱ doz. $1.75

Carpet Sweepers—

Bissell's:
Gold Medal.... } Cyco-Bearing ..₱ doz. $27.00
Grand..... ..₱ doz. $36.00
Grand Rapids. ..₱ doz. $24.00
Hall..... ..₱ doz. $60.00
Prize..... ..₱ doz. $27.00
Premier..... ..₱ doz. $27.00
Superior..... ..₱ doz. $27.00
Crown Jewel, japan finish, ₱ doz $19.00
Crown Jewel, silver bronze trimmings, ₱ doz.....$20.00
Crown Jewel, nickel, ₱ doz. $21.00
Furniture Protector, Japan.....₱ doz. $24.00
Furniture Protector, Nickel.....₱ doz. $27.00
Grand Rapids, Jap...₱ doz. $24.00
Grand Rapids, Nick..₱ doz. $27.00
Housewife's Delight..₱ doz. $15.00
Parlor Queen, Jap....₱ doz. $24.00
Parlor Queen, Nickel, ₱ doz. $27.00
Standard.....₱ doz. $24.00
Lots of 5 dozen $1.00 per doz. less.

TOY LINE—

Baby.....₱ doz. $2.50
Child's.....₱ doz. $3.90
Little Jewel.....₱ doz. $7.00
Little Queen.....₱ doz. $4.00
Misses.....₱ doz. $9.00
Quantity rebates on application.

Casters—

Bed.....60&10&10@70%
Deep Socket.....60@ 0&10%
Giant Truck Casters.....35%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%
Martin's Patent(Phœnix). 60@60&5%
Plate.....60&10&10@70%
Socket Truck Casters..45&10@45&10&10%
Stationary Truck Casters.....50&10%
Store Truck.....55%
Swivel Truck.....60&10&10%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50&5%
Yale Gem.....70&10&5%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@70&10&10%
Peck, Stow & W. Co.....66⅔%
Sargent's.....70&10@70&10&10%

COW TIES—

American.....60&10%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%
Triumph.....33⅓%

Chain—

American Coil, Ass'n base prices.
3-16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾
$6.85 5.35 4.25 3.65 3.50 3.35 3.15 3.05
Covert Saddlery Works:
Breast Chain.....60&20%
Hitching Chain.....60&20%
Rein Chain.....60&20%
Covert Mfg. Co. Chains.....45%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Galvanized Pump Chain, with Buckets.....5@5½c
German Coil.....60&10@70%
German Halter Chain....60&10@7 %
Jack Chain, Iron.....70@70&5%
Jack Chain, Brass.....70@70&5%
Oneida Halter Chain.....60@60&10%
Plumbers.....60%
Trace, Wagon and Fancy Chains, 60&10@60&10&10%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

Buck Bros.....30%
Charles Buck.....30%
Douglass.....75@75&10%
Hinsdale..... } 75&10 &5%
Mix.....
Ohio Tool Co.....
P. S. & W.....
Sag Harbor Tool Co.....
Swan.....
Winsted Edge Tool Co.....
C. E. Jennings & Co. No 70....25&10%
Jennings & Griffin Mfg. Co....75&5%
Merrill & Wilder.....60&10%

TANGED AND MISCELLANEOUS—

Box.....60&10%
Buck Bros.....30%
Butchers'.....$4.75@$5.00 to $
Cold Chisels, good quality, ₱ lb 14c@16c
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges.....40&10%
Spear & Jackson's.....$5 to $
Tanged Firmers'.....50@50&10%

Chucks—

Beach Pat....each $8.00.....20%
Cushman's:
Combination.....40%
Independent.....50%
Morse's Adjustable, each $7.00...25%
Syracuse, Balz Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....40%
Skinner's Pat. Comb. Chuck.....40%
Union Mfg. Co.:
Combination.....40%
Independent.....40%
Universal.....40%
Victor, No 1, $8.50; No. 2, $12.50.25%

Clamps—

Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearns'.....30@30&10%
Cabinet Makers, Sargent's...45&10%
Carpenters', Cincinnati .....25&10%
Carriage Makers', Sargent's.. 50&10@50&10&5%
Carriage Makers' P. S. & W. Co. 40&10%
R. I. Tool Co.'s Wrought Iron....25%
Smith's:
Eccentric.....25%
Splicing.....25%
Splicing Tools.....25%
Warner's.....40&10@40&10&5%

Cleaners, Sidewalk—

Challenge Shank.....₱ doz. $3.25
Star Shank.....₱ doz. $3.50
Star Socket.....₱ doz. $3.75

Clips—

Norway Axle.....70@70&10%
Norway Spring Bar Clips.70@70&10%
Superior Axle Clips.....70&10@75%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....25%
National.....30
The Swift, Lane Bros.....33⅓%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%

Compasses, Dividers, &c.—

Athol Calipers and Dividers.....40%
Bemis & Call Co.'s:
Compasses.....50&5%
Dividers.....55%
Compasses, Calipers, Dividers. 70@70&10%
Wm. Johnson's:
Extension Dividers.....40%
Inside, Outside and Double.....70%
Registering.....50%
Wing Calipers.....70%
Wing Dividers.....75%
Stevens's "Ideal".....35&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...35&10%
Wright's Graduating.....15%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
Beatty's.....33⅓%
L. & I. J. White.....20@20&5%
Sandusky Tool Co.....35&10@35&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....40%
Humason & Beckley Mfg Co. 40& 10@50%
Samson.....₱ doz $10.00
Williamson's.....40%

Corn Hooks—

Kretsinger Cut-Easy, ₱ doz. $8.00 net

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....35@35&10%

Counter Sinks—

Adjustable.....20%
Countersink Bits.....40&10%
Shepardson's Diamond.....40@45%
Smith's.....25%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's

Eclipse	₱ gro.	$2.75
Emerald	₱ gro.	5.00
Oriole	₱ gro.	5.00
Rainbow	₱ gro.	2.81
Solid	₱ gro.	7.50

Curry Combs—

Fitch's, List Nov. 20, '96.....35&10%
Perfect.....35&10%
Rubber, ₱ doz. $7.50.....20@20&10%
Southington Cutlery Co.'s List, Nov. '96.....35&10%

Cycle Hangers—

Lane's.....33⅓&5%

Diggers—

See Post Hole, etc.

Dog Collars—

Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)..50&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%
Medford Fancy Goods Co. list. 40& 10@50%
Union Hardware Co. New List. 50&50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$25.00

Door Springs—

Champion (Coil)...50&10@50&10&10%
Foster's (Coil).....30%
Gem (Coil), list Oct. '95.....25%
Rubber, complete, ₱ doz. $5.50. 66⅔@70%
Star (Coil), list Oct. '95.....33⅓&10%
Torrey's Rod, 30 in. ₱ doz $1.35@1.35
Victor, Coil.....60&10@60&10&5%
Warner's.....55@55&10%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Adjustable Handle.....40@40&10%
Bradley's.....35%
Douglass.....75@75&10%
Jennings & Griffin.....75&5%
Merrill & Wilder.....60&10%
Mix..... } 75& 10& 5%
New Haven.....
P. S. & W.....
Witherby.....
Watrous.....80@80&10%
L. & I. J. White.....20&5@25%
Wilkinson's Folding.....25@25&5%

Drills and Drill Stocks—

Automatic Boring Tools..$1.75@1.85
Blacksmiths'.....each $1.75
Breast, Bartholomew's No. 12, ₱ doz.....$16.00
Breast, Millers Falls, each $3.00 15&10%
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Graves Drill Stocks.....40%
Ratchet, Billings' Dble. Acting.33⅓%
Ratchet, Ingersoll's.....25%
Ratchet, Merrill's.....30@30&5%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Parker's.....40%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Stearns' Bench.....50@50&10%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

Dover (Standard Co.) No. 10 ₩ gro. $9.50
Dover Extra Heavy (Standard Co.) No. 15.....₩ gro. $21.00
Paine, Diehl & Co.'s Keystone..33⅓%
Spiral.....₩ gro. $4.35@$4.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$3.00 each, less 50%
Annunciators, $1.50 ₩ drop, less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon..60c. ea., less 50%
Batteries, Medical,$8.50 ea., less 50%
Batteries, Dry .....50c. ea., less 50%
Bells, Electric, 2½.50c. ea., less 50%
Call Bell Outfit, Electric...$3.00 each, less 50%
Desk Pushes Electric..30c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Risers' Set, Electric..$3.50 each, less 50%
Floor Pushes, Electric...6 0c. ea., less 50%
Gas Burners, Electric....5(c. ea., less 5 %
Gravity Batteries, $1.00 ea., less 50%
Hydrometers....75c. each, less 50%
Incandescent Lamps..40c. each, less 50%
Induction Coils, Telephone..6 0c. each. less 50%
Lead Covered Wire No. 18, No. 16, No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Push Buttons, Wood..10c. each, less 50%
Sal Ammoniac...18c. ₩ lb, less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt....24c. each, less 50%
Switches, 3 pt....28c. each, less 50%
Spark Coils, 8 pt..$2.00 ea., less 50%
Spark Coils, 10 pt $2.40 ea , less 50%
Spark Coils, 12 pt.....$2.80 each, less 50%
Tape, Insulating, 80c. ₩ lb. less 50%
Tube, Speaking, $21.00 ₩ 1,000 ft. less 50%
Whistles, Speaking Tube, N. P., 2.00 ₩ doz., less 50%
Whistles, Speaking Tube, Percelain.....75c ₩ doz., less 50%
Wire Winders, $10.00 each, less 50%
Window Springs, Electric...24c. each, less 50%
Yale Lock Switch, Electric, $3.50 each, less 50%
Zincs, Leclanche...04c. ea., less 50%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, FF.
Kegs, ₩ lb..4½c	5c	3c	
½ kegs, ₩ lb.4½c	5½c	3½c	
¼ kegs, ₩ lb. 5c	5½c	3½c	
10 lb cans, 10 in case.... 6c	6½c	5½c	
10 lb cans,less than 10.. 10c	10c	8c	

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Brass Thread.....60@60&10%
Wood.....25%

Escutcheon Pins—

Brass.....70@70&10%
Iron, list January, 1890.....60@60&5%

Farriers Knives—

"Challenge".....₩ doz. $2.00
Popes.....₩ doz. $3.00
Wilkinson's.....₩ doz. $3.00

Faucets—

Brass Globe Cocks.....60&10%
Brass Racking.....60&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar,bbl.lots 50&10%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....60%
Frary's Pat. Petroleum..60&10@70%
John Sommer's Boss Tin Key....50%
John Sommer's Chicago Cork lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Cedar (in bbls.) 50&10%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....50%
John Sommer's No Brand Metal Key.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.40%
John Sommer's Peerless Tin Key.40%
John Sommer's Reliable Cork Lined.....60%
John Sommer's W. P. Metal Key.40%
Star.....60@60&5%
Self-Measuring:
Enterprise ₩ doz. $36.00.....40%
Lane's ₩ doz. $36.00.....40%
National Specialty Mfg. Co....40%

Fibreware—

Standard Fibre-ware Co.

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Buggy Pails, 7 in. high.	2.60		
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt.....	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.....	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)...	1.40	1.70	2.00
Cuspidors, 9x7½ inches, (anti-tip-over).....	5.50	6.50	7.00
Dairy Pails, 14 qt.....	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire.....	3.40		
Fruit Bowls.....	1.20	1.70	2.00
Keelers, 11½ inch.....	2.30	2.80	3.10
Milk Pans.....	1.50	2.00	2.20
Mats, 8½ inch (for table use).....	.50	1.00	1.20
Mats, 15 inch (for cuspidores, etc.....	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.30
Prison Pails, 16 qt. (with cover).....	6.50		
Pitchers, 10½ in. high..	4.00	4.70	5.20
Peck Measures.....	2.80		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt....	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Spittoons, Daisy, 8½ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4.00	4.80	5.30
Water Pails, 12 qt....	$3.00	$3.50	$4.00
Waste Paper Jars.....	3.00	4.00	4.50
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2.00
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in.. (or Wash Bowls,.....	2.30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4.00

Files—

DOMESTIC—

American.....75%
Arcade.....70%
Great Western.....76%
Kearney & Foot.....70&10@75%
Nicholson.....70%
Nicholson's X. F. Files.....33⅓%
Second Quality Files.....80@80&10%
Tiger.....75%
Troy File Works:
Files.....70&10%
Rasps.....70%
Victor.....75&10%

IMPORTED—

Stubs.....Stubs' list, 25@30%

Filters—

Seed's Water Filters:
A 1, $4.00 No. 2, $2.50 No. 3, $1.50 No. 4, $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....60&20%

Fluting Scissors—

List.....45%

Forks—

Champion, Hay, Manure, etc.75&15%
Columbia, Hay.....75&10%
Columbia, Manure.....80%
Columbia, Spading.....80&5%
Hay.....75%
Iowa Farming Tool Co.:
Barley.....60&40%
Manure, 4 tine.....75&10 & 2½%
Manure, 5 and 6 tine .....70&20&5%
Spading.....75&10&2%
Victor, Hay.....75&10%
Victor, Manure and Header.....80%

Freezers, Ice Cream—

Blizzard.....net
Gem.....net
Granite State.....net
Improved Arctic.....net
Keystone, P. D. & Co.....20%
Ohio.....60&10%
Packer's:
Confectioner's Machine.....net
Double Action Standard.....net
Good Luck.....net
Standard.....net
Shepard's Lightning.....net
White Mountain.....net

Fry Pans—

Acme Fry Pans.....70&10%
Polished, regular goods...75@75&10%
Standard List.....75&10@80%

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Gas Lighting Burners—

Gem.....₩ doz. $2.50
In lots of 3 doz.....₩ doz. $2.25

Gauges—

Bemis & Call's Steel.....50%
Boss, Screw Pitch..... .....33⅓%
Clapboard.....30.....
Marking, Mortise, &c..60&10@60& 10&10%
Stanley's.....60&10%
Stanley's Chisel.....25%
Starrett's Surface, Center and Scratch .....25&10%
Copeland Champion Bit ₩ doz $2.00 net
Stubs' Wire and Drill.....20%
Wire, Morse's.....25%
Wire, P. S. & W., low list.... 10&10%
Wire, Wheeler, Madden & Co....10%

Gimlets—

"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%
"Diamond" Gimlets ₩ gr. $4.00@4.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%
"Eureka" Gimlets.60&10@60&10&5%
Metal head.....55%
Nail Gimlets:
Assorted 1, 2 and 3.....₩ gr. $1.50
Assorted 2 and 3.....₩ gr. $1.70
Pod.....50%
Star.....50%
Spike Gimlets:
Assorted 1, 2 and 3.....₩ gr. $3.00
Assorted 2 and 3.....₩ gr. $3.25
Wood head.....50&10%

Glue—

Dodd's Liquid Glue.....25&25&10%
Le Pages Liquid.....25&25&10%

Glue Pots—

Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....60%
Enameled.....45@50%
Tinned.....45@50%

Graters—

Enterprise.....25%

Grindstone Fixtures—

Howard Iron Co.....30%
Moore's.....55&10%
P., S. & W. Co.....50&10&5%
Russell & Erwin.....70&10%
Sargent's Patent..70&10@70&10&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
'96 List.....60&20%
Upson & Woodins.....40%
Wright's Animal Tether.....30%

Hammers—

HANDLED HAMMERS—

Atha Tool Co.....50&10@60%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....50&10%
C. Hammond & Son. List..40&10@50%
Humason & Beckley.....50@50&10%
Dunlap's Patent.....25%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40&10%
Maydole's.....33⅓&5@40&5&5%
Peck, Stow & Wilcox.....40@40&5%
Fayette R. Plumb:
Artisan's Choice, A. E. Nail.. 40&12½%
Engineers & B. S. Hand...r0&15%
Y. & P., A. E. Nail.....40&12½%
Other Brands.....60&10@60%
Sargent's New List.....45@50%
Verree.....50&10@60%
Warner & Nobles New List..25&10%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb...₩ lb 40c
3 to 5 lb.....₩ lb 36c } 75@75&10%
Over 5 lb.....₩ lb 30c
Wilkinson's Smiths....9½c@10c ₩ lb

Hammock Ropes—

Covert Mfg. Co.....45%
Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—

Chest Handles, Sargent's..50&10@ 50&10&10%
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....$	.90	1.00	1.08	1.35	1.50

50&10@60%
Drawer Handles.....60%
Ring Handles.....70%
Roggin's Latches.....50&10@60%
Shelf Box Handles.....65%
Trunk Handles.....60%
Tub Handles.....60&10%

STORE DOOR HANDLES.—

Bronzed, with Cylinder Lock....50%
Bronzed.....60&10@66⅔%
Japanned, with Nuts.....$1.62
Japanned, with Plate.....$1.10
Japanned, without Plate.....88c

DOOR PULL—

Bar.....60@60&10%
Barn Door.....50&10%
Chest and Lifting.....60@60&10%
Drawer Pulls.....50&10@60%
Plain B. M.....60@60&10%
Push Plates, Sargent's List..60@60 &10%
Sash Pull Plates.....70&10%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%

WOOD—

Auger, assorted.....₩ gr. $2.25@2.50
Auger, large.....₩ gr. $3.00@3.25
Auger, Douglass', Pat. ₩ set, No. 1, $1.00; No. 2, $1.40
Auger Ives', Pat. No. 1, 60&10% No. 2 to 3⅜.....40%
Auger, Swan's, Pat. ₩ set, No. 3, $1.00; No. 4, $1.25.....25&10%
Brad Awl.....₩ gr. $1.75@2.00
Chisel Worcester Leather Cap'd 1.50
File, assorted.....₩ gr. $1.25@1.40
Firmer Chisel, Apple ass'd ₩ gr. $2.25@2.50
Firmer Chisel, Apple large ₩ gr. $2.75@3.00
Firmer Chisel, Hickory ass'd ₩ gr. $2.00@2.25
Firmer Chisel, Hickory, large, ₩ gr. $2.50@2.75
Firmer Chisel, Socket ass'd ₩ gr. $2 00@2.25
Hammer, Hatchet, Axe, Sledge, etc.....50&2%
Hoe, Rake and Fork60&10@60&10&5%
Saw and Plane.....40&10@50%
Shovel and Spade, Wood D Hdle. 60@60&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....60&10@ 60&10&10%
Barn Door, New England.70@70&10%
Barry, $6.00.....50&10%
Best Anti-Friction.60&10@60&10&5%
Challenge, Barn Door.....50%
Climax Anti-Friction.....55%
Cronk's Roller Bearing, No. 4, $18.00; No. 5, $26.00.....60&10&10%
Cronk's Steel cov'd Loose Axle. 60&10&10%
Davis Parlor Door.....50@50&5%
Duplex (Wood Track).....60&10&5%
Kidder's.....50@50&10%
Lanes Barn Door:
Covered.....60&10%
No. 50.....60&5%
New Model.....40&10%
Parlor, Standard.....40&10%
Standard.....60&10%
McKinney's "None Better," No. 2, $18.00; No. 1 Special, $18.00, ₩ dozen pairs.....60&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....66%
Reed's Steel Arm.....50%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Richards' Single Track,Steel.50&10%
Star.....50&10&10%
Stearns'Challenge.....50@50&5%
Sterling's Impr'd.60&10@60&10&10%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
The Boss.....60&10@60&10&5%
Universal Anti-Friction.....40%
Victor, No. 1, $15.00; No. 2, $30.00; No. 3 $35.00; No. 4, $35.00.60&10&2½%
Warner's Pat.....20&10&10%
Wild West, 4 in. Wheel.....50%
Zenith for Wood Track.....55%

Harness Snaps—

See Snaps.

Hasps and Staples—

McKinney's "Perfect," $1.10 ₩ doz.....40&10%
Wrought.....65&10@65&10&5%

Hatchets—

See Axes.

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Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Auburn Hay, Com. and Spear Point 50%
Auburn Straw 40%
Lightning, from jobbers..$6.00@$6.25
Wadsworth's ..... 40&5@40&7½%

Hedge Shears—

Wm. Wilkinson & Sons 50%

Hinges—

WROUGHT IRON HINGES—

Corrugated Strap and T..75@75&5%
Rolled Blind Hinges Nos. 33 and 34 50&10@50&10&5%
Rolled Plate..... } 70&10@70&10&5%
Rolled Raised..... }
Plate Hinges "Providence" 6 to 12 in. ₩ D, 5c. 14 to 36 in. ₩ D, 4c.
Screw Hook and Strap. { 6 to 12 in., ₩ D..2½c; 14 to 20 in., ₩ D..2¼c; 22 to 36 in., ₩ D..2 c
Strap and T..... 75@75&5%

SPRING HINGES—

Acme ..... 30@10%
American 30%
Bommer's 40%
Bardsley's Patent Checking 15%
Chicago. 30%
Crown 3%
Champion 60%
Devore's No. 1 ..... ₩ gr. $13.00
Geer's Spring and Blank Butts..40%
Gem ..... 30&10%
Keil's American 30%
Matchless No. 10 ..... 70%
New Idea, No. 1, ₩ gro. $7.50
New Idea, No. 2, ₩ gro. $18.00
Oxford ..... 30&10%
Rex ..... ₩ gr. $13.00
Royal Japanned 66⅔%
Rubber 66⅔%
Sargent's List 1894:
Bronze Metal ..... 75&10%
Japanned Surface, Single..70&10%
Japanned Surface, Double..60&10%
Mortise 55%
Model ..... 70@70&10&10%
Tuscan Surface, Single 70%
Tuscan Surface, Double 70%
Vigilant ..... 50&10@50&10&10%
Union Spring Hinge Co.'s list, March, 1894 ..... 20%
Union Mfg. Co 25%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $13.00

GATE HINGES—

Automatic ..... ₩ doz $12.50, 50%
Common Sense..₩ doz pair $4.50, 50%
Clark's Nos. 1, 2, 3 ..... 70&10&5%
Long's Self Closing 50%
N. E..₩ doz $7.80 ..... 60@60&10%
N. E. Reversible ..... ₩ doz $5.60 60@60&10%
N. Y. State..₩ doz $4.90..60@60&10%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Seymour's ..... 45&10%
Shepard's Nos. 1, 2, 3..60&10@60&10&5%
Western, ₩ doz $4.20 ..... 60@60&10%

BLIND HINGES—

Clark's:
Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3 ..... 60&10%
Mortise Gravity 50%
Nos. 1, 3, 5 ..... 60&10%
Nos. 40 and 50 ..... 80%
Huffer 65%
Parker ..... 75@75&10%
Sargent's Nos. 1, 3, 5, 11, 13 ..... 75@75&10%
Shepard's or Wrightsville Hdwe. Co.:
Acme, Lull & Porter ..... 60&10%
Buffalo Gravity Locking, Nos. 1, 3 and 5 ..... 60&10&10%
Champion Gravity Locking, Nos. 7... ..... 60&10&10%
1898, Old Pat'n Nos. 1, 3 and 5, ... 60&10%
Tip Pattern, Nos. 1, 3 and 5, ... 60&10&5%
Double Locking, Nos. 20 and 25..75%
Empire, Nos. 10 and 10½... ..... 80%
Niagara Gravity Locking, Nos 1, 3 and 5 ..... 60 ..0%
Noiseless, Nos. 50, 60, 65 and 75..60%
O. S. Lull & Porter ..... 60& 0&5%
Pioneer, Nos. 060, 45 and 5½..75 &5%
Steam Boat Gravity Locking, No. 10 ..... 80&10&5%
Stranger's Noiseless 75%
Mortise Gravity 50%
Stanley's Steel Gravity Blind Hinges, ₩ doz. sets $1.30..... 40&10%

Hitching Cords—

Covert Mfg. Co 45%

Hoes—

HANDLED—

Crescent Cultivator, 6 in. ₩ doz. $3.75 net
Crescent Cultivator, 7 in. ₩ doz. $4.00 net
Crescent Double-Bit ₩ doz. $4.00 net
Crucible Cut-Easy..₩ doz. $4 50 net
Cotton ..... 80&12½%
Dunlap's Boys', Ladies', Toy..... 30%
Garden, Mortar, &c. ..... 75&25%
Iowa Crucible Socket ..... 75&25%
Magic ..... ₩ doz $4.00
Mattock Hoe... ....₩ doz. $4.00 net
Planter's ..... 30&20%
Texas Cut-Easy.....₩ doz. $4.25 net
Warren Hoe ..... 60&10%

EYE—

American Axe & Tool Co 70%
Grub ..... 60&10@70&5%
Lane's:
Crescent Planters Pat..... 45&5%
Razor Blade, Scovil Pat..... 30&5%
Sandusky Tool Co., S. & O. Pat. 60@60&10%
D. & H. Scovil ..... 30@30%

Hog Rings and Ringers—

Hill's:
Rings..... ₩ gr. boxes..$3.60@$4.00
Ringers ..... ₩ doz. 55@85c
Perfect Rings ..... ₩ gro. 90c
Perfect Ringers ..... ₩ doz. $1.00

Hollow Ware—

IRON—

Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware.60&10&10%
Rustless Hollow-Ware....50@50&5%
Stove Hollow-ware:
Ground ..... 60&10&10@70%
Unground ..... 70&5@75%
White Enameled Ware:
Boilers and Saucepans...62½@65%
Maslin Kettles,...75&5@75&10&5%
Tinned Boilers and Saucepans.... 60&5@60&10%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Hartford Silver-Plate Co..... 40&5%
Holmes & Edwards Silver Co. 40&15&5%
Meriden Britannia Co..... 40&5%
Reed & Barton ..... 40&5%
Rogers & Brother ..... 40&5%
Simpson, Hall, Miller & Co..... 40&5%
William Rogers Mfg. Co..... 40&10%

Hooks—

BUSH—

Jennings & Griffin's ..... 40&10%
Light ₩ doz. $5.60: Medium ₩ doz. $5.50; Heavy $6.00

CAST IRON—

Bird Cage, Sargent's list...60&10&10%
Bird Cage, Reading ..... 60@60&10%
Bird Cage, Williamson 50%
Ceiling, Sargent's list ..... 50&10%
Chandelier 70%
Clothes Line, Sargent's list...5 &10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading ..... 60&10%
Coat and Hat, Moore's 70%
Harness, Sargent's list....50@50&10%
Lamp 55%
Picture 75%
Screw Hat 70%
Wardrobe 55%

WROUGHT IRON—

Cotton ..... ₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works 30%
Hammock Hooks, E. C. Stearns, ₩ doz. 60c
Picture, T. & S. Mfg. Co 75%
Tassel, T. & S. Mfg. Co ..... 50&10%
Wrought Staples, Hooks, &c. See Wrought Goods.

MEAT—

Enterprise 33⅓%
Wm. Johnson's:
8 in. ..... ₩ doz. $2.20 net
10 in. ..... ₩ doz. $2.70 net

WIRE—

Atlas Coat and Hat ..... 50@50&10%
Belt ..... 30@30&10%
Handy Coat and Hat 70%
Steady Ceiling 70%
Wire Coat and Hat, Acme...60&10%
Wire Coat and Hat, Gem 70%
Wire Coat and Hat, Standard.... 45%

MISCELLANEOUS—

Carpenter's Amc. Grass Hooks, ₩ doz. $4.00
Covert's Saddlery Works:
Self-Locking Gate and Door Hooks ..... 60&20%
Dunlap's Merchandise 25%
Grass, No. 2, $1.6 ; 3, $1.80; 4, $2.00
Hooks and Eyes—Brass ..... 70&10%
Hooks and Eyes—Mal. Iron 75%
Wm. Johnson's Cotton, Box and Hay 60%
Moores':
Clothes Line 70%
Harness 70%
Hotel & School House 70%
Wnifletree ..... ₩ D 4½c

Horse Nails—

	Nos. 6	7	8	9	10
A. U.....	26c	23c	23c	21c	21c.

40&10%

American, all sizes, 9½@10c.....net
Ausable.....23c 23c 25c 24c 23c. 40&10&5%
Anchor.....23c 21c 20c 19c 18c..... 40%
C. B. K.....25c 23c 23c 21c. 21c 40%
Capewell...19c 18c 17c 16c 16c..10&5%
Champlain..25c 25c 25c 24c 23c 40&5&2%
Clinton Fin.19c 17c 16c 15c 14c. 30&10&5%
Empire Bronsed..... 10c
Essex.....23c 23c 25c 24c 23c. 40&10@50%
Lyra....9½c 9½c 9½c 9½c 9½c., net
Maud S,....25c 23c 23c 21c. 21c 50&10&5%

	Nos. 6	7	8	9	10
Northw't'n.	25c	23c	23c	21c	20c.

25@25&5%

Putnam.....23c 21c 20c 19c 18c....25%
Snowden, 9½c 9½c 9½c 9½c 9½c., net
Vulcan.....23c 21c 20c 19c 18c.....25%
Western, 5 to 10d 9c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co 45%

Hose, Rubber—

Boston Belting Co.:
"Boston" ..... 50&10&5%
"Imperial" ..... 30&5%
Competition ..... 75@75&10%
Extra ..... 60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para ..... 40&10%
Reliable ..... 50&10%
Staple ..... 60&10%
Standard ..... 70&10@70&10&5%

Ice Awls, Chippers, &c.—

Copeland Ice Pick....₩ gr $9.00 net
Crown ..... net
Dunlap's:
No. 1 ..... $3.50 per doz 20%
No. 20 ..... $12.00 per doz 20%
Gem Ice Shave ..... net
Sargent's Ice Awls 55%
Star ..... net

Ice Shredders—

Enterprise, No. 33, ₩ doz. $7.20..25%
No. 34 ..... ₩ doz. $15.00..25%

Jack Screws—

See Screws.

Kettles—

Spun Brass, Plain ..... 15@20%
Spun Brass, plated inside with White Metal ..... 10@15%

Knives—

Ames':
Bread Knives. ₩ doz. $1.50...20@25%
Butcher Knives ..... 25@25&10%
Shoe Knives ..... 25@30%
Dunlap Kitchen and Br'd Knives 25%
Foster Bros.' Butcher, &c. 40%
Goodell's:
Bread Knives Ass'n list ..... net
Butcher 25%
Shoe Knives 40%
Hay and Straw, see Hay Knives.
Nichols' Butcher Knives 50%
Table and Pocket, see Cutlery.
Wilson's Butcher Knives..25@25&5%

Knobs—

Bardsley's Wood Door, Shutter and Base 15%
Base, Rubber Tip, 2½ in. Bead, ₩ gr. ..... $1.25@$1.50
Carriage, Jap..... ₩ gro. 80c, 60&10%
Door Knobs, Hemacite..... 50&10%
Door Mineral ..... ₩ doz. 55@80c
Door Por. Jap'd..... ₩ doz. 65@70c
Door Por. Nickel...₩ doz..$1.70@1.80
Drawer, Porcelain.60&10@60&10&10%
Picture, Hemacite ..... 50&10%
Picture, Judd's ..... 50&10&10%
Picture, Sargent's ..... 70&10%
Shutter, Porcelain 70%
Yale & Towne Wood, list Dec. '95. 40%

Ladles, Melting—

Monroe's Pat..... ₩ doz $4.00, 40%
P. S. & W ..... 35&10@40%
Reading ..... 50&10%
Sargent's ..... 60@60&10%
Warner's 80%

Lanterns—

Buhl Stamping Co:
No. 100 Buhl Tubular Headlights, ₩ doz. list $30.00
No. 16 Buhl Side Lever, ₩ doz. list $7.50
No. 10 Buhl Improved Regular, ₩ doz. list $7.00
No. 200 Buhl Square Top Lift, No. 2, ₩ doz. list $11.00
No. 150 Buhl Dash Reflector, ₩ doz. list $9.00
No. 2 0 Buhl Dash Reflector, No. 2, ₩ doz. list $17.00
Discount ..... 40&5%

Latches—

Cronk's Sliding Door 60%
Lane's Barn Door 40%

Lawn Mowers—

Champion ..... 75&10%
Continental ..... 60&10%
Drexel Cheap Mowers ..... net
Enterprise 40%
Genuine Philadelphia Mowers:
C. K. L. ..... 70&10%
Styles A., and E. ..... 60&10%
Styles, D., D. O. W., M., S., T.. Great American ..... 70&10%
Imperial ..... 60&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%
New Easy ..... 60&10@60&10&10%
New York ..... 60&5&5%
Pennsylvania ..... 60&10%
Rapid Transit ..... 70&10&10%
Standard ..... 60&5&5%
Sunbeam ..... 60&10%

Lawn Sprinklers—

Enterprise 25%
Gibbs' Arc ..... ₩ doz. $10.00
Gibbs' Hustler... ..... ₩ doz. $5.00
Philadelphia Lawn Mower Co.
Philadelphia Lawn Sprinkler:

	No. 1,	No. 2,	No. 3,
₩ doz.	$12.00	$15.00	$24.00..35%

Lemon Squeezers—

Berger Bros. ₩ doz. 8-in. $1.00: 10-in. $1.40 ..... 30%
Dean's, Nos. 1, ₩ doz. $6.50; 2, $8.35 3, $1.65; Queen $2.50 net
Dunlap's Improved ₩ doz. $3.75 30%
Hotchkiss, Straight Flush ₩ doz. $9.60
Jennings' Star...₩ doz. $1.92@$2.00
Little Giant ..... 50@50&5%
Porc. Lined, Iron ..... $3.35@$3.50
Porc. Lined, Wood....₩ doz. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.

Letter Box Plates—

Name Door Plate ..... 50@50&10%
Name Plate 70%
Number Door Plate ..... 60@60&10%
Sargent's ..... 60&10@70%

Levels—

C. E. Jennings & Co.'s:
Hexagon ..... 35&10%
Iron Bench, new design.... 35&10%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's 50%
Cotton Chalk, 20 feet ..... 60&10%
Cotton Trot 33⅓%
Masons':
Colored Cotton ..... 40&10%
Flax ..... 40&10%
No. 0 to 5 ..... 25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Silver Lake, Braided, No. 0, $6.00: No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro. 35%
Ventilator Cord, Samson Braided White or Drab Cot. ₩ doz. $7.50, 20%
Wire Clothes, 100 feet, No. 18, $2.25; No. 19, $3.00; No. 20, $1.75

Locks—

DOOR LOCKS, LATCHES, &c.—

Barnes Mfg Co ..... 40@40&10%
Branford Lock Co ..... net prices
Brooklyn Latches ..... 60&10%
Champion Night Latches 40%
Diets Flat Key 30%
Mallory, Wheeler & Co...60&10@70%
Norwalk Lock Co ..... 60&10%
Plate 33⅓%
R. & E. Mfg. Co ..... 60&10@70%
Reading Hdw. Co ..... 60@60&10%
Romer's Night Latches ..... 20&5%
Sargent & Co ..... 60&10@60&10&10%
Slaymaker, Barry Co.'s:
Corrugated Key Latch ..... 35&5%
All other Night Latches 40%
Yale ..... net prices

CABINET—

Barnes Mfg. Co ..... 40@40&10%
Diets:
Nos. 22 to 39 ..... 40%
Nos. 41 to 78 ..... 45%
Nos. 87 to 96 ..... 30%
Eagle Lock Co ..... 45&2%
Charles Parker Co ..... 45&2%
Romer's 35%
Stoddard Lock Co ..... 30@33⅓%
Yale ..... 45&2%

PADLOCKS—

Acme Bicycle and Satchel per doz. $9.00 ..... 40%
Ames Sword Co 40%
Barnes Mfg. Co ..... 50@50&10%
Champion 40%
A. E. Diets 40%
Eagle 40%
Eureka, Eagle Lock Co ..... 40&2%
Gem, Corbin's ..... 40&2%
Romer's Nos. 0 to 9 ..... 40&5%
Scandinavian ..... 90&40@60&40&10%
Smith & Egge Bicycle 50%
Wrought Iron ..... 75@80%
Yale Lock Co ..... net prices

TRUNK—

Corbin's 25%
Eagle 25%

Mallets—

Sargent's List
Hickory ..... 50@35&10%
Lignumvitæ ..... 50@35&10%
Raw-Hide ..... 40&10%

Mattocks—

Regular list ..... 70@70&10%

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Meat Cutters—

American 30%
Nos. 1 2 3 4 B 5
Each. $5 $7 $10 $25 $50 $60
Beef Shavers (Enterprise) 20%
Chadborn's Smoked Beef Cutter, ℔ doz $60.00
Dixon's ..... ℔ doz 33⅓%
Nos. 1 2 3 4
$14 $17 $19 $30
Enterprise 25%
Nos. 10 12 22 33 42
Each. $3 $3.50 $4 $6 $15
Hales Pattern ℔ doz. ..... 70@70&5%
Nos. 11 12 13
$27 $33 $45
Home No. 1. ℔ doz $26. ..... 60%
Little Giant ..... 50&10%
Nos. 305 310 312 320 333
$35 $43 $44 $72 $68
Miles' Challenge ℔ doz. ..45@45&10%
Nos. 1 2 3
$22 $30 $40
Perfection ..... net
Woodruff's ℔ doz. 33⅓%
Nos. 100 150
$15 $18

Metals, Anti-Friction—

Magnolia Metal Co.:
Magnolia, Anti-Friction, ℔ lb. .25c
No Name. ..... ℔ lb. .18c
Mystic. ..... ℔ lb. . 8c
f. o. b. New York or Chicago.

Molasses Gates—

Enterprise 20%

Mop Wringers—

Matchless (Canton, O.), ℔ doz. $12.00

Nails—

WIRE AND CUT NAILS—

See Trade Report for quotations.
Wire Nails and Brads, Papered, Ass'n list, May 1, 1893. ..... 87½%
Grand Crossing Tack Co. List:
Wire Brads. 80%
Wire Nails. 80%

PICTURE—

Brass Head. Combination list, 50& 10%
Brass Head. Sargent's list, 70&10@ 70&10&5%
Niles' Patent 40%
Porcelain Head, Comb'n list, .40&10%
Porcelain Head, Sargent's list, 50& 10%

FURNITURE—

Antique Bronze 10%
China 25%
Fire Gilt 10%
Plain 40%

Nail Pullers—

Black Hawk, per doz. $9.00
Giant. No. 1, ℔ doz $18.00; No. 1½, $16.50; No. 2, $15.00. ..... 80&5%
Lightning. ..... ℔ doz $18.00, 20%
National 40%
Pelican. ..... ℔ doz $9.00, 15&10%
Scranton No. 2. ..... ℔ doz. $10.00
Scranton No. 3. ..... ℔ doz. $9.00

Nail Sets—

Buck Bros. 37½%
Cannon's Diam'd Point ℔ gr. $12, 25%
Dunlap's 20%
Humason's. ..... 50&10%
Hunters' Cup Point Knurled. ..... ℔ gro. $10.00
Hunters' Cup Point, Plain. ..... ℔ gro. $9.00
Round, assorted. ..... ℔ gr. $3.00@3.25
Square. ..... ℔ gr. $4.00@$4.25

Nippers—

Acme 50%
Smith's Cutting. 50%
Todd's Cutting. 50%

Nut Crackers—

Acme, Japanned, ℔ gross $30.00. .40%
Turner & Seymour Mfg. Co. 60%

Nuts—

Cold Punched, Square, off list. $5 40
Hex, off list. $5 70
Hot Pressed, Square, off list. .$5.90
Hex, off list. $6.70
Tapped. 50%

Oilers—

Brass and Copper. ..... 50&10%
Cushman & Denison's:
Pocket Oilers. ..... ℔ doz. $1.55
Star Pocket Oilers. ..... .75
Draper's:
Brass. ..... 70&10%
Steel ..... 70&10%
Malleable. Hammers, New Style, 10@10&5%
Malleable, Hammers, Old Pattern, same list. ..... 50&10%
"Paragon," Brass. ..... 50&10@60%
"Paragon," Zinc. ..... 70@70&10%
Tower & Lyon Bicycle. 25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust. 75%
Zinc and Tin ..... 70&10@75%

Oil Stones, etc.—

OIL STONES—

Pikes Washita:
Lily White, ℔ lb. 60
Rosy Red. 60
Extra Green Paper Wrapper, ℔ lb. ..... .50
No. 1. ..... .40
No. 2. ..... .30

Pike's Washita Round Edge Slips: 2 to 5x1¾ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ℔ lb:
Lily White 90
Rosy Red. 90
Extra, same sizes as above 80
No. 1. 70
No. 2. 40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ℔ lb. ..... .70
Discount 33⅓%.
Pike's Washita Mounted No. 1:
8x2, ℔ doz. $12.00
7x2, " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x½ to 1½, ℔ lb. ..... .34
" 2x2x½, extra selected.. .40
Discount 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston" 60%
"Excelsior" Self-Vulcanizing, per lb 70c. 40%
Boston "Phœnix" Red Sheet, per lb. ..... 50c. net
Extra. ..... 60&5@60&10&5%
Standard, Fair Quality.. 70&10@75%

MISCELLANEOUS—

American Packing. .....9c@10c ℔ lb
Cotton Packing. .....14c@15c ℔ lb
Italian Packing. .....12c@14c ℔ lb
Jute ..... 6c@7c ℔ lb
Russian Packing. .....13c@14c ℔ lb

Padlocks—

See Locks.

Parers—

APPLE—

Advance. ..... ℔ doz $4.50
Baldwin ..... ℔ doz 5.00
Bonanza. ..... each 5.00
Daisy ..... ℔ doz 8.50
Dandy. ..... each 7.50
Eureka, 1893. ..... each 16.00
Family Bay State. ..... ℔ doz 12.00
Favorite ..... ℔ doz 5.00
Gold Medal. ..... ℔ doz 4.00
Ideal ..... ℔ doz 4.00
Improved Bay State. ℔ ds. .$27@30.00
Little Star. ..... ℔ doz 4.00
Monarch ..... ℔ doz 13.50
New Lightning. ..... ℔ doz 5.50
Oriole. ..... ℔ doz 4.00
Penn. ..... ℔ doz 3.00
Perfection ..... ℔ doz 4.00
Pomona. ..... ℔ doz 4.00
Reading, 72. ..... ℔ doz 4.00
Reading, 78. ..... ℔ doz 7.00
Rocking Table. ..... ℔ doz 5.50
Scott's Pat. Rotary, ℔ doz $15.00, 20%
Turntable. ..... ℔ doz 4.50
Victor. ..... ℔ doz 13.50
Waverly. ..... ℔ doz 3.75
White Mountain. ..... ℔ doz 4.00

POTATO—

Antrim Combination. ..... ℔ doz 5.50
Hoosier. ..... ℔ doz 13.50
Saratoga. ..... ℔ doz 5.50
White Mountain. ..... ℔ doz $4.50

Pencils—

Dixon's:
Carpenters'. ..... ℔ gr. $4.00@7.50
Carpenter, Yellow or Brown Lead. ..... ℔ gro. 9.00
Lead. ..... ℔ gro $4.50
Lumber. ..... ℔ gro. 6.87
Mascot, Hexagon ..... ℔ gro. 3.38
Mascot, Round. ..... ℔ gro. 3.10

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00. ..... 70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Bailey's (Stanley R. & L. Co.) 50&10@50&10&10%
Bench, First Quality. 55%
Bench, Second Quality. ....60@60&10%
Fales Bench 25%
C. E. Jennings & Co. ..... 50&10%
Molding. 50%

IRON PLANES—

Chaplin's Iron Planes. ..... 50&10%
Davis's Iron Planes. ..... 40@40&10%
Gage Tool Co.'s Self-Setting. 35%
C. E. Jennings & Co.'s Iron. ..... 50&10%
Meriden Mal. Iron Co.'s. ..40@40&10%
Sargent's ..... 60@60&10%
Siegley's:
Bench. 40%
Combination, each. ..... $4.50 net
Standard Tool Co. ..... 50@50&5%
Stanley Rule & Level Co.:
Bailey's. ..50&10&10@50&10&10&5%
Miscellaneous ..... 35&10%
Steer's Iron Planes. .50&10@50&10&5

PLANE IRONS—

Auburn "Thistle". }
Ohio ..... } 30&10@40%
Sandusky. ..... }
Buck Bros. 30%
Butcher's. ..... $5.00@$5.25 to $
Hinsdale. ..... 35&10%
C. E. Jennings & Co. ..... 35&10%
Stanley Rule & Level Co. ..... 50&10%
L. & I. J. White. ..... 30&5@35%

Pliers and Nippers—

Button's. ..... 70&10@70&10&5%
Carew's Pat. Wire Cutters. 25%
Cronk's:
Button Pattern. 70%
Gas Pliers, No. 100. ..... 40%
Stubb's Pat. Pliers. 50%
Hall's Nippers, ℔ doz., No. 2, 5 in. $13.50; No. 4, 7 in. $21.00. ....40&10%
Hall's Pliers. 70%
Humason & Beckley Mfg. Co. 50@50 &10%
Wm. Johnson's Gas Pliers. 66⅔%
Morrill's Parallel, ℔ doz $12.00 30&5%
Smith's Side Cutting. 25%
Stubs'. 20%
Swiss Pliers. 25%
P. S. & W. Cast Steel. .....50@50&5%
P. S. & W. Tinners' Cutting Nippers. ..... add 6% dis. 10%

Plumbs and Levels—

Cook's. ..... 40&10&10%
Davis':
Inclinometers. 20%
Iron Levels. ..... 25&10%
Disston's. 50%
Wm. Johnson's. 75%
Plumb Bobs. 40%
Pocket Levels. .....70&10&10@75&10%
Stanley's. ..... 75&10&10%
Stanley's Duplex. ..... 25&10%
Wood's Extension Sight. 33⅓%

Poachers—

See Egg Poachers.

Police Goods—

J. P. Lovell's Police Goods. 25%
R. I. Tool Co., Handcuffs, $15.00 ℔ doz. 10%
R. I. Tool Co., Leg Irons, $35.00 ℔ doz. 10%
Tower & Lyon's. 25%

Polish, Metal—

Prestoline Liquid, New List. 40%
Prestoline Paste. .....33⅓@40%

Polish, Stove—

Dixon's Plumbago. ..... ℔ lb 8c
Joseph Dixon's. ..... ℔ gro $5.75, 10%
Gem. ..... ℔ gro $4.50, 10%
Lustro. ..... ℔ gro $4.75
Rising Sun. ..... ℔ gro $5.50@$5.75

Poppers, Corn—

Round or square,
1 qt., ℔ doz. $ .75; ℔ gr. $8.50 } 10@
1½ qt. ℔ doz. $ .85; ℔ gr. $8.00 } 15%
2 qt., ℔ doz. $1.15; ℔ gr. $12.00 }
Quincy Corn Popper, 1 qt., ℔ doz. $3.00; 2 qt., $4.00. ..... 33⅓%

Post Hole Diggers—

Ryan's. ..... ℔ doz., $20.00, 25%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Cronk's Pruning Shears. 33⅓%
Disston's Combined Pruning Hook and Saw. ..℔ doz $18.00, 25@25&10%
Disston's Pruning Hook. ..... ℔ doz $12.00, 25@25&10%
Dunlap's Saw and Chisel. ....℔ doz $8.50, 20%
Henry's Pruning Shears ℔ doz $3.50@$3.75
E. S. Lee & Co.'s Pruning Tools. 40%.
P. S. & W. Co.'s Shears 60%
Pruning Shears, Henry's Pat. ℔ doz. ..... $3.50@3.75
Waters Tree Pruners. ..... 75&10%
Wheeler, M. & C. Co.'s Combination. ..... ℔ doz $12.00, 25&10%

Pulleys

Awning. ..... 60@60&10%
Axle. ..... 60&10@60&10&10%
Brass Screw. ..... 66⅔@70%
Ceiling. ..... 50@10&10%
Clothes Line, Japanned. .60@60&10%
Common Sense. 60%
Dumb Waiter. ..... .60@60&10%
Empire Sash Pulley. 60%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50. ..... 50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70. ..... 50%.
Hot House. ..... 50&10@50&10&10%
Moore's Anti-Friction 5 in. Wheel, ℔ doz $12.00. ..... 40%
Side, Anti-Friction. 50%
Shade Rack. 45%
Upright. .....50&10@50&10&10%

Pumps—

Cistern, Best grades. .65&10@70&10%
Pitcher Spout, Best grades 75&10@80%
Pitcher Spout, Cheaper Goods. 80&5@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump. $13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump. $15.00
No. 5, Fig. 307, 3 in. Deep Well Pump. $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump. $17.00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump. $15.00
No. 32, Fig. 523, 3 in Deep Well Pump. $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump. $14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump. $17.00
No. 70. Fig. 333, 2½ in Deep Well Pump. $15.00
No. 72, Fig. 333, 3 in. Deep Well Pump. $15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump. $16.00
No. 102, Fig. 448, 3 in. Lift Pump. $10.00
No. 103, Fig. 448, 3½ in. Lift Pump. $12.00
No. 128, Fig. 510, 3 in. Lift Pump. $7.00
No. 131, Fig. 510, 3½ in. Lift Pump. $8.50
No. 225, Fig. 389, Windmill Pump. $12.50
No. 230, Fig. 402, Windmill Pump. $13.50
No. 235, Fig. 408, Windmill Pump. $14.50
No. 240, Fig. 406, Regulator Pump. $30.00
No. 280 Fig. 484, Imperial Cyclone Pump. $18.00
No. 265, Fig. 572, Cyclone Tank Force Pump. $17.00
No. 267, Fig. 488, Geyser Tank Force Pump. $17.00
No. 268, Fig. 513, Low Down Tank Force Pump. $16.00
No. 302, Fig. 477, Spray Pump complete. $11.50
No. 330. Fig. 492, Bucket Spray Pump. $5.50
No. 330, Fig. 547, Knapsack Spray Pump. $10.00
Discount 55% f. o. b. Ashland.

Punches—

Avery's Revolving. 40%
Avery's Saw-Set and Punch. See Saw Sets.
Bemis & Call Co.'s:
Cast Steel Drive. ..... 50@5%
Check. 55%
Spring. ..... 50&5%
Springfield Socket. 55%
Morrill's Universal. 35%
Niagara Hollow. 45%
Niagara Solid. 55%
Rand's Centering Marking Tool. .25%
Rice's Hand. 15%
Saddlers' or Drive, good ℔ doz. .60@65%
Spring, good quality, ℔ doz $1.70@1.80
Spring, Leach's Pat. 15%
Tinners' Solid, P. S. & W. Co. ℔ doz. $1.44, 55%
Tinners' Hollow, P. S & W. Co 20&2%

Rail—

Barn Door, Light, In. 1½ ⅝ ¾
Per 100 feet. $1.40 1.95 2.80
Barn Door, "None Better" No. 1, ℔ foot. 2¾c
Barn Door, "None Better" No. 2, ℔ foot. 3¼c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet. .$1.60 2.00 2.50
Carrier Steel Rail, ℔ foot. 4½c
Cronk's:
Competition. ..... ℔ foot, 2¼c
Common. ..... ℔ foot, 2¼c
Double Braced. ..... ℔ foot, 2¾c
Lanes' O. N. T. ..... ℔ 100 ft. $2.40
Moore's Wrought Steel. 35%
Sliding Door, Bronzed Wr't Iron. ℔ ft. 6½c
Sliding Door, Iron, Painted. ..℔ ft 3c
Sliding Door, Wr't Brass, 1½ n. ℔ lb, 35c. ..... 30&10@40&5%
Terry's Steel Rail, ℔ foot. 3¼c
Victor Track Rail, 7c ℔ foot, 60&10&2½%

Rakes—

Cast Steel, Association goods. 75&15%
Fort Madison Red Head Lawn, $3.25
Ft. Madison Blue Head Lawn, $3.00
Gibbs':
Acme. ..... net ℔ doz. $4.00
Boss, Garden, 14 teeth, net ℔ doz. $2.60
Boss, Garden, 18 teeth, net ℔ doz. $2.75
Canton Lawn Rake. ..℔ doz. $3.50
Crown Lawn, No. 1. ..℔ doz. $3.50
Hustler, No. 0. ..... ℔ doz. $3.30
Lawn Rake. ..... ℔ doz. $4.75
Malleable. ..... 70&10@75%
Oneida Lawn. ..... doz., $6.00
Peerless Socket and Shank. .75&15%
Prize Bow-Brace. ..... 75&15%
Queen City. 33⅓%

Razors—

Electric. ..... List net
J. R. Torrey Razor Co. 20%
Westenholm and Butcher, $10.00 to $. 10%

Registers—

HOT AIR—

Ferrosteel, Japanned. .....80&10%
Ferrosteel, Nickelplated. .....75&10%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

American Screw Co.:
Bay State Rivets. ..... .75&10%
Burrs. 75%
Soft Steel. 80%
Copper. .....60&10&5@60&10&10%
Norway, list Feb. 26, '96. ..... 70%

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Rivet Sets—

Regular list.....70@70&10%

Rollers—

Barn Door, Sargent's list..60&10& 10@70%
Cronk's:
Acme Barn Door.....50%
Adjustable Stay..$ doz. $1.00 net
Screw Stay.....$ doz. 60c net

Rope

Cotton Rope, Best, ¼ in. and larger.....$ ℔ 14½@15c
Medium, ¼ in. and larger.....$ ℔ 12 @13c
Common, ¼ in. and larger.....$ ℔ 9½@10c
Jute Rope.....$ ℔ 5½c
Manila:
7-16 in. and larger..$ ℔ 6½@6½c
½ in.....$ ℔ 6¾@7 c
¼ and 5-16 in.....$ ℔ 7¼@7½c
Hay Rope, Med.....$ ℔ 6½@6¾c
Sisal, ½ in.....$ ℔ 5½c
¼ and 5-16 in.....$ ℔ 5½c
7-16 in. & larger.....$ ℔ 4½c
Med. L'th Y'rn.....$ ℔ 4½c
Hay Rope.....$ ℔ 4½c

Rules—

Athol, Steel.....33⅓%
Boxwood..80&10&10&10@80&10&10 &10&10%
Ivory.....50&10@50&10&10%
Lufkin's:
Steel.....55%
Lumber.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—

Chinese Laundry.....$ ℔ 4½@5c
Chinese Sad.....3¼@3½c
Colebrookdale Iron Co.:
Crown, Improved Pol, $ doz. $5.50
Nickel.....$ doz. $7.00
Common 4 to 10.....$ ℔ 2½@2¼c

COLD HANDLED—

Enterprise Mfg. Co. of Pa.:
No. E 50, nickel plated, size 1, 2 or 3, with "best" handles. $ doz.....$7.45
No. E 50, nickel-plated, size 1, 2 or 3 without handles, $ doz. $4.45
No. E 55, plain polished, size 1, 2 or 3, with "best" handles, $ doz.....$7.50
No. E 55, plain p lished, size 1, 2 or 3 without handles, $ doz. $4.00
No. E 60, nichel-plated, size 1, 2 or 3 with "best" handles, $ doz.....$8.25
No. E 60, nickel-plated, size 1, 2 or 3 without handles, $ doz. $5.25
No. E 60, nickel-plated, size 4, with "best" handles, $ doz. $9.80
No. E 60, nickel-plated, size 4, without handles, $ doz.....$6 80
No. E 65, plain polished, size 1, 2 or 3, with "best" handles, $ doz.....$7.75
No. E 65, plain polished, size 1, 2 or 3 without handles, $ doz. $4.75
No. E 65, plain polished, size 4, with "best" handles.....$8.80
No. E 65, plain polished, size 4, without handles.....$5.80
The "Best" Handles, with Forged Iron Stretchers, $ doz.....$3.00
Self-heating.....$ doz $10.00, 20%
Self-heating, Tailors' $ doz $23.50, 25%
Sensible Nickel.....$ doz. $7.00
Sensible Pol.....$ doz $6.50
Sensible, Tailors'.....$ ℔ 3@3¼c

Sand and Emery Paper and Cloth—

Baeder. Adamson & Co.'s:
Emery Cloth.....50&10@60%
Garnet Paper.....30@30&5%
Sand and Emery Paper. 50&10@60%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%

Sash Cord—

Cable Laid Italian Sash.....$ ℔ 16c
Cable Laid Russia....$ ℔ 13½c@14c
Common.....$ ℔ 8½c@ 9c
Common Russia Sash. $ ℔ 12½c@13c
India Hemp Sash.....$ ℔ 9½c@10c
Jute, good quality.....$ ℔ 11c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....$ ℔ 30c
"Samson" Braided Drab, Cotton.....$ ℔ 35c
"Samson" Braided Italian Hemp.....$ ℔ 33c
"Samson" Braided Linen, $ ℔ 56c
Silver Lake:
A Quality, Drab..$ ℔ 55c. 35@40%
A Quality, White, $ ℔ 50c. 35@40%
B Quality, Drab, $ ℔ 35c..... 15@15&7½%
B Quality, White $ ℔ 30c..... 15@15&7½%
White Cotton Braided, $ ℔ 21c@25c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts Flush.....70%
Sash Lifts With Lock.....60&10&10%
Sash Rollers.....70%
Shutter Bars.....60&10@70%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%

Sash Locks—

Champion Safety.....70&10&5%
Corbin's Daisy, '95 list.....40@45%
Davis, Bronze, Barnes Mfg. Co...60%
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Ives' Patent....60&10&5@60&10&10%
Payson's Perfect.....70%
Reading.....60&10&10@70%

Sash Weights—

Small lots.....$ ton, $20.00@$21.00
Ton lots at factory.....$18.00@$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
National Specialty Mfg. Co.....25%

Saws—

Atkin's:
Band.....50&10%
Butcher, Pruning and Compass.....40&10%
Circular.....50&10%
Cross Cut.....40&10%
Gang.....50&10%
Hand.....40&10%
Wood.....40&10%
Disston's:
Circular.....45@50%
Cross Cuts.....40&10%
Gang.....45%
Panel, Hand & Rip.....25%
Haines' Needle Point.....40%
O. E. Jennings & Co.'s:
Butcher.....30%
Hand Panel, Rip and other Saws 25%
Peace:
Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
Richardson:
Circular and Mill.....45&10%
X Cuts.....45&10%
Hand-saws.....25&10%
Star, Butcher.....25%
Woodrough & McParlin Cross Cuts.....45&10%

HACK SAWS AND FRAMES—

Chatillon.....30%
Griffin's:
Complete.....40&10%
Saw Blades.....40&10@50%
Star, Saws and Blades.....25%

Saw Frames—

O. E. Jennings & Co.....20%
Red, Polished and Varnished...$ doz., $1.00@$1.10
Richardson's Wood.....net
White Vermont..$ gro. $8.50@$9.00

Saw Sets—

Atkin's:
Criterion Saw Sets. $ doz.....$6.00
Excelsior Saw Tools $ doz.....$6.00
Bemis & Call Co.'s:
Cross Cut.....30&5%
Hammer, New Pat.....45%
Plate.....20%
Spring Hammer.....30&5%
Disston's Star.....25@25&10%
Hart's Pat. Lever.....30%
Kohler's:
"Giant Royal".....$ doz. $10.00
"Royal".....$ doz $6.00
Leach's.....33⅓%
Morrill's:
No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Cross-cuts Nos. 3 and 4, $23.00; No. 5, $31.00.....40&20%
Richardson's.....25%
Seymour Smith & Son, Hammer, $ doz.....$4.75
Stillman's $ doz.....$1.00
Taintors Positive...$18.00 $ doz. 60%

Scales—

Chatillon's:
Eureka.....25%
Favorite.....40%
Grocers' Trip Scales.....50%
Family, Turnbull's.....30@30&10%
Hatch:
Counter, No. 171, $ doz. $17.00@ $18.00
Tea, No. 161.....$ doz. $5.75@$6.00
Union Platform Plain...$2.00@$2.10
Striped.....$2.15@$2.25

Scale Beams—

Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%
Scale Beams, List Jan. 12, '93. 50&10%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....$ doz., $2.00
Box, 2 Handle....$ doz., $3.00@$4.00
Foot.....55&5@60&5%
Ship Common.....$ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60@60&5%
Extension.....50&10&5%
Flyer.....50&10&5%
Perfection Screens.....60@60&5%
Window Screen Frames.....60&5%
Stearns':
Frames and Corners....25@25&10%
Gem Window Screen Frames, 25&10%
Monarch Adjustable Window Screens.....50%

Screen Doors—

Phillips:
Empire Fancy.....30&35%
Fancy Pine.....15%
Painted.....50&5%
Stained.....50&10%
Standard Oil.....35&40%

Screw Drivers—

Brace Screw-Drivers.....25&10&5%
Buck Bros.....30%
Screw-Drivers Bits.....27½%
Champion.....40&10%
Disston's.....5 @50c.&10
Pat. Excelsior.....5½&5%
Ellrich's Socket and Ratchet.40&10%
Fray's Hol. Hdle. Sets, No. 3, $12.50%
Howard-Allard.....50&10&10%
O. E. Jennings & Co.....40&10%
Jennings & Griffin.....65&10%
Wm. Johnson's:
1:5 A.....70&10%
135½ Extra.....70%
188 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20 and 40.....50@50&10%
Screw-Driver Bits....$ doz., 50@75c
Screw-Driver Bits, Parr's$ gro. $6.25
N. E. Specialty Co.'s.....50&10%
Stanley R. & L. Co.'s:
No. 64, Varnished Handles. 70&10%
No. 86.....75&10%
Tower & Lyon:
Champion.....33⅓%
"Handy" Ratchet.....25%
Williamson's:
Beauty, $ doz.....$1.00 } 40%
Gem, $ doz.....90c }
C.T. Williamson Wire Novelty Co.40%

Screws—

WOOD SCREWS—

Brass, Flat Head.....90%
Brass, Round Head.....85%
Bronze, Flat Head.....87½%
Bronze, Round Head.....85%
Copper, Flat Head.....65%
Copper, Round Head.....60%
Drive Screws.....90%
Iron, Bright Flat Head.....90%
Iron, Br't R'd & Oval Head.....85%
Iron, Forged Flat Head.....90%
Nickel Plated, Flat Head.....80%
Nickel Plated, Round Head....77½%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....60%

MACHINE—

Brass, Flat Head.....45%
Brass, Round Head.....40%
Iron, Flat Head.....45%
Iron, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron, $ doz., 1 in., $2.75; 1⅛, $3.00; 1¼, $3.50
Bench, Wood, Beech. $ doz $2.00@2.20
Chair.....60&10%
Coach.....82½%
Hand Rail Am. Screw Co.....82½%
Hand Rail, H. & B. Mfg. Co.....80%
Hand Rail, Sargent's....70@70&10%
Hand, Wood.....30&10@40%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W..40@40&10%
Jack Screws, Sargent's.....75%
Jack Screws, Stearns'.....40&10%
Lag Blunt Point, list Jan. 1, 1890. 75&20@80&10%
Piano Stool.....60&10%

Scroll Saws—

Barnes' No. 1, $8; No. 6, $10; No. 7 $15.....25%
Barnes Scroll Saw Blades.....40%
Cricket.....10&10%
O. E. Jennings & Co.....25%
Lester, complete, $10.00.....15&10%
Rogers, complete, $4.00.....15&10%

Scythes—

Grain.....50&10%
Grass.....50&10%
Scythe Snaths.....50&10@50&10&5%

Seeders—

Raisin, Enterprise.....25%

Shaft Couplings—

Bradley's:
Buggy, No. 8, $ Set.....$1.25
Surrey, No. 9, $ Set.....$2.60

Shears—

Acme (Cast).....40@40&5%
Ætna, Steel Japanned.....80&20%
Ætna, Steel Nickeled.....70&20%
Barnard's Lamp Trim'rs.$ doz. $3.75
Clauss:
Nickel.....60%
Japanned.....70%
Davenport Cutlery Co.'s...60@60&10
Heinisch's:
St. Trimmers, etc...60&10&10@70%
Tailor's Shears.....30&10@40%
Pruning. See Pr'ning H'ks & Shears.
Seymour's List, Dec., 1881. 60&10@60&10&10%
Wiss & Sons:
Japanned.....70%
Nickeled.....60%
Tailors' Shears.....60&10%
Tin Snips.....45%

Sheaves—

SLIDING DOOR—

Corbin's list.....60&10&2%
Hatfield's Pattern.....70&10@80%
M. W. Co., list July, 1882.80&10@60&5%
Moore's Anti-Friction.....60%
Patent Roller.....60&10@60&10&5%
R. & E., list August 15, 1895. 60&10@60&10&5%
Russell's Anti-Friction, list Dec. 18, 1885.....60&5%

SLIDING SHUTTER—

Reading list.....60%
R. & E. Mfg. Co.'s.....60@60&10%
Sargent's list.....60@60&10%

Shoes, Horse, Mule, &c.—

HORSE—

Bryden's Frog Pressure.....$4.00
Burden's, Perkins', Phœnix and Bryden's, from jobb's..$3.15@$3.40
Perkins Steel Side Weight Hind $3.15@$3 40
Perkins Improved Snow.....$ ℔ 4c

MULE—

Add 50c $ keg to above prices.

OX, WROUGHT—

Ton lots.....$ ℔ 9c
1000 ℔ lots.....$ ℔ 9½c
500 ℔ lots.....$ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

O. Ames & Sons:
C.S. Edge.....60@7½%
Pat. Cast Steel.....7½@10%
Blair's Cast Steel.....5%
Bouve's Steel.....10%
Carter's Cast Steel.....5%
Sanderson's Cast Steel.....5%
Stone's Cast Steel.....5%
H. M. Myers and other manufacturers are now selling at Association discounts.

Snovels and Tongs—

Brass Head.....60&10@60&10&10%
Iron Head.....60&10@60&10&10%

Sifters, Flour—

Hunters' Genuine, $ gross, $10@11.50

Skate Sharpeners—

Eureka...$ doz. $1.75; $ gro. $18.00

Slaw Cutters—

Enterprise.....25%
Enterprise Mfg. Co.....25%
Tucker & Dorsey:
1 Knife.....$ gro. $15.00@$18.00
2 Knives.....$ gro. $20.00@$37.00
Kraut Cutters.....50@60&10%
Woodrough & McParlin.....40%

Slicers—

Vegetable, Enterprise.....25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Cockeyes.....70&10%
Covert Mfg. Co.....45&20&5%
German, new list .40&10@40&10&10%
Fitch's (Bristol).....50%
Sargent's:
Patent Guarded.....70&10&10%
Covered Spring.....60&10%
Open Spring.....70@70&10%

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Covert Mfg. Co:
Breast Strap Buckle Snaps
Breast Strap Protector....
Double for Bits or Trace Carrier.....
Loop Eye.....
Loop Eye, Swivel.....
Open Eye.....
Round Eye.....
Round Eye, Swivel.....
} 45&2% @50%
Covert Saddlery Works:
Banner.....60&20%
Triumph.....60&20%

Spoke Shaves—

Bailey's (Stanley R. & L. Co.) 50&10%
Iron.....℔ doz. 50&10%
Millers Falls.....15&10%
Seymour Smith & Sons, Iron.....20%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%
Wood.....℔ doz. 25&10%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10@30%
B. B. Noyes Meat Forks..50&10@60%
Buffalo S. S. & Co.....33⅓&2%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Holmes & Edwards Silver Co..60%
L. Boardman & Son.....Catalogue "B"—net List
Meriden Brit. Co. Rogers Bros.40&15%
C. Rogers & Bros.....40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....60%
Simpson, Hall, Miller & Co.....60&5%

MISCELLANEOUS—

Boardman's:
Britannia Spoons, Catalogue "B".....net List.
Nickel Silver, Catalogue "B" net List
Britannia.....60&10%
German Silver.....60&10%
German Silver, Hall & Elton..50& 5% cash
Wm. Rogers Mfg. Co.:
18% Rogers' German Silver...60&5%
23% Rogers' Nickel Silver....50&5%
Rogers' Silver Metal.....50&10&5%

Springs—

See Door Springs.

Squares—

Disston Try Square and T Bevels. 60&10%
Starrett's Micrometer Caliper Squares.....25%
Try Square and T Bevels.60&10&5 @60&10&10%
Winterbottom's Try & Mitre.50&10%
Nickel-Plated.. } 75&10@75&1 &10%
Steel and Iron.. }

Stair Rods—

Black Walnut.....60%
Brass, Oval or Hollow.....50%

Staples—

Barbed Blind—½, ⅝, and ¾ inch, ℔.....6c@6½c
Grand Crossing Tack Co. List: 75&10%

Stocks and Dies—

BLACKSMITH'S—

Butterfield's Goods.....35@40%
Gardner.....33⅓&10%
Lightning Screw Plate.....25%
Reece's New Screw Plates.....25@30%
Waterford Goods.....3c@40%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stove.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March 25, '95.
2% cash. Market irregular and lower prices on some lines.
American Cut Tacks.....90&10%
Carpet Tacks:
American, Blued....90&10@90&20%
American, Tinned...90&20@90&25%
Leathered.....60%
Steel.....90&20%
Swedes, Lanc.....85&10%
Swedes, S. S.....90&25%
Swedes Iron Tacks:
Lanc.....85&10%
S. S.....90&10@5%
Basket Tacks.....75&10%
Basket Nails.....80%
Bill Posters' and Railroad Tacks:
S. S.....90%
Brush Tacks and Nails.....75&15%
Chair Nails.....80%
Cigar Box Nails.....75%
Common and Patent Brads.....80%
Finishing Nails.....75%
Gimp Tacks:
Lanc.....80&20%
S. S.....90&15%
Hungarian Nails.....85&10&5%
Lace Tacks.....
Lanc.....80&20%
Looking Glass Tacks.....70%
Picture Frame Points.....70%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Trunk and Clout Nails:
Black.....80&5%
Tinned.....80&10&5%
Upholsterers' Tacks:
Lanc.....80&20%
S S.....90&10%

MISCELLANEOUS—

Bill Nye Brad Box.....℔ box $4.00
Bill Nye, Jr., Brad Box. ℔ box $2.00
Bonnie Blue.....℔ box $1.50
Can Opener Carpet Tacks.℔ gr $4.00
Dble. Point.90&10&10&10&10&10%
Hammer Carpet Tacks...℔ gr. $4 50
Miniature Keg Tacks..66⅔&33⅓&2% 10&10&2%
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓&2% 10&2%

Tack Pullers—

Columbia, No. 1, per doz., net,....$1
" " 2, " 1.50
Little Jack.....℔ doz. $1.00

Tapes, Measuring—

American.....40&10@50%
Chestermans.....30@3 &5%
Keuffel & Esser Co 25%
Lufkin's Steel and metallic.....40%

Taps—

American Screw Co.
Machine Screw.....70%
Blacksmiths' Taper.....50&10@60%
Hand and Machine.....50&10@3%
Pipe.....80%

Telephones—

Union Electric Co.:
Letter A, Complete....each, $10.00
Letter B, for Warehouse..each, $8.50
F. o. b. cars Cleveland.

Tin, Perforated

Harrington & King Perforating Co.:
IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.50	$1.55
2	$9.00	$1.55
3	$8.25	$1.35
4	$7.75	$1.30
5	$7.50	$1.20
5½	$7.25	$1.20
6	$7.00	$1.15
7	$7.00	$1.10
8	$6.75	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&25%

Tobacco Cutters—

National Specialty Co.....30&5%

Trammel Points—

Backus and Union.....40%
C. E. Jennings & Co., "Eureka".25%
Cook's.....25%
Sargent's.....70&10@70&10&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Preatiss'.....20@25%

Tracks, &c.—

F. E. Myers & Bro.:
Comb. Car., Double Steel T...$3.50
Comb. Car., Wood Track....$3.25
Common 6 in. Wood Sheave Pulley, Fig. 433, ℔ doz.....$1.65
D. H. Fork, Steel Regular, each .75
Double Grapple Fork, each...$3.25
Double Rail Steel Track complete with clamps, ℔ ft..... .09
Faultless Steel Frame K. P Pulley, Fig. 435, ℔ doz.....$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ℔ doz.$1.75
Floor Hooks, ¾ in. ℔ doz. .65
Floor Pulley, Wood Sheave, Fig. 436, ℔ doz.....$2.00
Hanging Hooks for Double Steel Track, ℔ doz..... .60
Hanging Hooks for Single Steel Track, ℔ doz..... .60
Hanging Hooks for Wood Track, 10 in. ℔ doz..... .45
Hanging Hooks for Wood Track, 14 in , ℔ doz..... .55
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ℔ doz.$2.00
Malleable Rafter Brackets, ℔ doz..... .45
Nellis Fork, each.....$1.50
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
New Myers Iron Rod Car.....$2.75
Reed Wood Frame Pulley with Hook, Fig. 434, ℔ doz. $3.25
Rev. Car., Double Steel Track $3.50
Rev. Car., Wood Track.....$3.25
Rope Hitch. ℔ doz.....$1.75
Single rail Car, Single Steel T.$3.50
Single Rail Steel Track with clamps, ℔ ft..... .09
Sprouts Shear Fork, each....$1.40
Steel Frame Pulley with Iron Sheave, Fig. 565, ℔ doz.....$1 50
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Walker Fork, each.....$1.15
Wrought Rafter Brackets, ℔ doz..... .45

Transom Lifters—

Ajax.....50&10@50&10&5%
Bronze Metal, with Safety Spg. 5 @ 0&10%
Crescent.....7 @7 &10%
Dicksons.....60%
Nickel Plated.....50&10%
Payson's Solid Grip, Nos. 3 3 and 304.....℔ 100, $12.00
Shaw's:
Copper Finished.....60&10%
Lever.....70@70&10%

Traps—

GAME—

Blake's Patent.....60@60&10%
Enterprise Mole.....15%
Newhouse.....40&10@50&5%
Oneida Pattern.....75&5@75&10%

MOUSE AND RAT—

Enterprise Mfg. Co., Mole..... 15%
Erie Rat.....40@40&10%
Household.....℔ gr $10.00
Hotchkiss:
Metallic Mouse,.....℔ doz. 65c
Improved Rat.....℔ gross, $12.50
New Rat.....℔ gross. $12.50
Mouse, Bonanza.....℔ doz 90c@$1.00
Mouse, Catch-'em-Alive ℔ dz $2.50,15%
Mouse, Delusion.....40%
Mouse, Ideal.....℔ gr $9.00
Mouse, Round Wire.℔ doz $1.50, 10%
Mouse, Wood, Choker, ℔ doz holes 10c@9c
Schuyler Rat Killer, No. 1 ℔ gro., $13.50; No. 2 ℔ gro., $15.00
Smith & Egge Mfg. Co:
Superior Rat Trap, ℔ doz....$15.00
Yankee Mouse Trap, ℔ doz.. $5.50
Yankee Rat Trap, ℔ doz.....$11.00

FLY-

Balloon, ℔ doz $1.25.....℔ gr. $13.50
Electric Rod.....℔ gr. $16.50
Globe.....℔ doz., $2.25; ℔ gr. $13.50
Harper....℔ doz., $1.75; ℔ gr. $16.50

Trowels—

Brade's Brick.....25@33⅓%
Disston's:
Brick.....30%
Plastering.....25%
Pointing.....30%
C. E. Jennings & Co.:
Brick.....30%
Plastering.....25%
Pointing.....30%
Wm. Johnson's:
Brick.....40%
Plastering.....40%
Pointing.....40%
W. & McP. Plastering....25@25&10%
Peace's Plastering.....25@25&5%
Richardson.....25@25&10%
"Rose" Brick Plastering and Moulders.....30@30& 10%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vegetable Slicers—

Enterprise Mfg. Co. 25%

Vises—

Solid Box.....50&10@60%

PARALLEL—

Alligator.....50%
Armstrong's:
Combination.....50%
Plain and Hinge.....60%
Athol, Oval Slide.....60&10%
Bonney's Champion.....45@45&10%
Fisher & Norris Double Screw 15&10%
Holland's.....40@40&10%
Howard's.....40&10%
Little Giant Bench.....25&10&5%
Lowell Hand.....33⅓%
Massey's Quick Action.....20@25%
Merrill's.....20&15%
Millers Falls, Mechanics'...net@10%
Moore's.....30%
Parker's.....20@25%
Oval Slide.. .....50&10%
Victor.....30%
Prentiss.....20@25%
Sargents.....70&10%
Simpson's Adjustable.....50%
Stephens'.....20@30%
Trenton.....40&5@40&10%
Wilson'.....55%

SAW FILERS—

Bonney's Nos. 2 & 3, $15,00.....60%
Stearn's Com., No. 0, 1, 2, and 3..50%
Stearn's Rubber Jaw, Nos. 10 and 33.....33⅓%
Wentworth's.....35%

Wads—

See Ammunition.

Wagon Jacks—

Covert's Saddlery Works:
Victor.....60&20%
Daisy.....60&20%
Lane's Steel 80%

Washer Cutters—

Otis A. Smith's.....20&10&10%

Weather Strips—

Church's:
Axtell, Lacquered, 36 in. ℔ doz. $5.00
Axtell, Lacquered, 42 in. ℔ doz. $7.00
Axtell, Pol. Brass, 36 in. ℔ doz. $12.00
Axtell, Pol. Brass, 42 in. ℔ doz. $15.00

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ℔ gross. $3.50@$12.00
American Whip Co.: List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft. $10.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
Americus, 98 Pen Whip, 6 ft., $6.00
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
Eureka, Two-thirds Whalebone 5½ ft., $15.00; 6 ft., $16.50 6½ ft. $18.00; 7 ft., $20.00.
Gents' Light Driving, No. 111, 6 ft.....$6.00
Gents' Light Driving, No. 106, 6 ft.....$5.0
Hand-Made Stocked Java, No. 103.....5½ ft., $3.75; 6 ft., $4.0
Hardware Assortment 10 | American, 75 Whips for.....$50.00
New Name, Stocked Java, Black and Wine Colors.....6 ft., $3.00
Team Whips....℔ doz $2.00@$7.50
True Grip, Raw Hide Center, 4½ ft. $5.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.

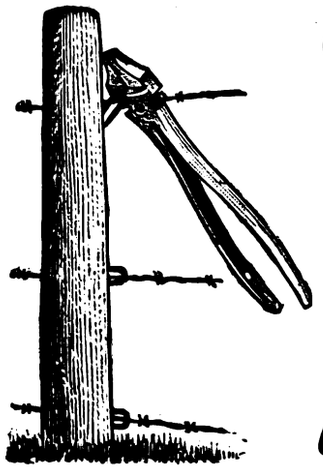
Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—

Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Brass Wire.....35%
Bright Wire Goods, Standard list 35&10@35&1 &5%
Cast Steel Wire.....50%
Copper Wire.....45%
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&10%
Malin's Brass and Copper on Spools.....50&10%
Market Wire:
Brt. & Ann., Nos. 0 to 18..80@30&10%
Cop'd, Nos. 0 to 18, 75&10@75&10&5%
Galv., Nos. 0 to 18.75&10@75&10&5%
Tin'd, Tinned list Nos. 0 to 18.... 75&10@75&10&5%
Picture Wire.....New list 35&10%
Steel Music Wire, Nos. 13 to 20, Imported, ℔.....60@70c
Stub's Steel Wire.....$5.00 to $ 80%
Tate's Spooled Wire:
Annealed and Tinned.....60&10%
Copper and Brass.....50&10%
Tate's Wire Picture Cord Braided and Twisted.....35@10&10%
Tinned Broom Wire, Nos. 18 to 21, ℔.....4½c
Wire Clothes Lines, see Lines.

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CRONK'S

Combination Fencing Plier.

This newly invented fencing tool is needed by all people that build or have occasion to remove or repair wire fence, as it is made with two staple pullers, two hammers and two button cutters. They are the same heft as the 1½ Maydole Hammer, and they are made of forged tool steel. No good farmer will be without one. They are warranted to cut No. 8 hard or No. 6 soft wire. Like the celebrated Cronk Plier they are fully warranted in all respects. No. 12, 11 in. long, $12.00. Dis. . . .

CRONK HANGER CO., ELMIRA, N. Y.

Wire Cloth, Netting, &c.—

Brass Cloth.....40@55%
Galvanized Wire Netting..80&10@80&20%
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.15@$1.20
Steel Bolting Wire Cloth.....30@55

Wire Rope—

List.
Cast-steel.....2½&2½&2½ cash
Iron.....20&2½&2½ cash
Iron, Galvanized..20&2½&2½ cash

Wire Rope Clips—

Crosby.....25%

Wire Stretchers—

W. C. Heller's Grip.....₩ doz. $1.50

Wrenches—

Acme:
Bright.....60@80&10%
Heavy.....50%
Nickel.....50&10@60%
Agricultural.....80@80&10¢
Aiken's Pocket (Bright)..$2 00@3.20
Alligator.....60@60&10%
Always Ready.....33⅓&5@40%
American Adjustable.....40@40&10%
Armstrong's.....40%
Baxter's.....65@65&10%
Bemis & Call's:
Brigg's Pattern.....30&10%
No. 2 Cylinder or Gas Pipe.....55%
No. 3 Pipe, Bright.....60%
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Boardman's.....30@33⅓%
Champion Carriage.....40%
Cincinnati Tool Co:
Bit.....&10%
Standard Brace.....25
Coes':
Genuine.....40&10&5&5&3%
"Mechanics'".....40&10&10&5&5&3%
Pattern Wrought.....30&10%
Donohue's Engineer.....40&10%
Eagle Pipe.....50&10%
Expert Bicycle.....33⅓&10%
Girard Standard.....65&10@70%
Hall's Pipe.....50%
Hercules.....70&10@75%
Lamson & Sessions':
Engineers'.....60@30&10%
Standard.....70&10%
Lowell:
Lag Screw.....25%
Ratchet.....33⅓%
Socket Bridge.....30%
Stillson Pipe.....45%
Taylor Pipe and Nut.....40%
Trimo Combination.....40%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
J. H. Williams.....25%
Yankee.....45%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co., list May 1, 1894.
Lovell Mfg. Co., list July 2, 1894....2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%
Peerless Mfg. Co., list Feb., 1892...2%
NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in barrels..₩ gallon.....80c
Linseed, City, Boiled, in barrels ₩ gallon.....83c
Out of Town on Spot..₩ gal.....30c
Calcutta, Raw, in bbls....₩ gal. 50c
Lard, Prime City.....₩ gal. 40@42c
Western, Prime.....40@41c
Extra, No. 1.....34@38c
No. 1.....30@32c

Paints and Colors—

Barytes, Foreign, ₩ ton, $15.00@$18.00
Barytes, American Floated, ₩ ton $22.00@$23.00
Barytes, American, No. 1, ₩ ton, $9.00@$10.00
White Lead, American, Dry, in Bbls. ₩ ₤.....4¼@4¼c
White Lead, American, in Oil, ₩ ₤.....5¼@5¾c
White Lead, Foreign, in Oil, ₩ ₤ 6@7c
Litharge, Kegs, ₩ ₤.....5¼@5¼c
Zinc, American, Extra Dry, ₩ ₤ 3¾@4¼c

Putty—

In bbls. and half bbls.....1¾@1¾
Putty in Bladders.....1¾@2
Putty in Tins.....1¾@2¼

Spirits Turpentine—

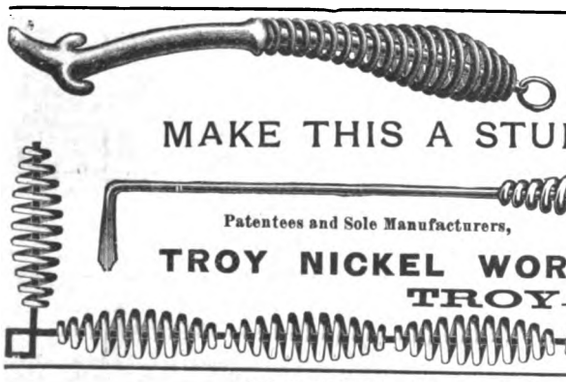
In regular bbls.....27½@—c
In machine bbls.....27½@—c

Dry Colors—

Blue, Chinese.....₩ ₤ 27 @40
Blue, Prussian.....₩ ₤ 30 @35
Blue, Ultramarine..₩ ₤ 8 @35
Sienna, American, burnt.....₩ ₤ 1¼@ 1½c
Sienna, American, raw.. .....₩ ₤ 1¼@1½c
Umber, American, burnt.....₩ ₤ 1¼@ 1½c
Umber, American, raw.....₩ ₤ 1¼@ 1½c
Green, Chrome, Common.....₩ ₤ 5 @12 c
Green, Paris, in bulk, ₩ ₤ 12 @15 c
Indian Red, American.....₩ ₤ 2 @ 3 c
Indian Red, English..... ...₩ ₤ 4½@9

Colors in Oil—

Black Coach Japan ₩ ₤..18½@20
Black Coach Japan, in Oil.....₩ ₤ 12 @13 c
Black Drop.....₩ ₤ 7 @10 c
Black Lampblack...₩ ₤ 20 @33 c
Black Lampblack, common.....₩ ₤ 7@15 c
Blue, Chinese.....₩ ₤ 35 @40 c
Blue, Prussian.....₩ ₤ 20 @40 c
Blue, Ultramarine..₩ ₤ 12 @18 c
Brown, Sienna, bur't ₩ ₤ 7 @10 c
Brown, Sienna, raw. ₩ ₤ 7 @10 c
Umber, burnt.....₩ ₤ 7 @10 c
Umber raw.....₩ ₤ 7 @10 c
Brown, Vandyke....₩ ₤ 7 @12 c

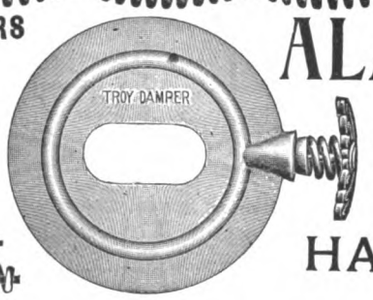


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TROY. N. Y.



ALASKA STOVE HARDWARE.



STEEL DOOR HANGERS.

WRITE FOR PRICES ON

No. 1 Special and No. 2 Standard.

THEY WILL INTEREST YOU.

Also Track and Stay Rollers.

McKINNEY MFG. CO., - Allegheny, Pa.

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CONDENSED BUSINESS WISDOM.

"ONE OF THE BEST MEDIUMS."

Lane Bros., Poughkeepsie, N.Y. [*Hardware Specialties*]: One thing we know—we get the trade, and have good reason to believe that HARDWARE has in the past been one of the best mediums for our large trade and the popularity of the Lane goods.

"NEARLY FROM THE BEGINNING."

Samson Cordage Works, Boston, Mass. [*Cordage*]: We have had our advertisement with you nearly from the beginning, and we know no reason why we should not continue it.

"WOULD NOT BE WITHOUT IT."

H. M. Seitzinger, Wilkesbarre, Pa.: Enclosed please find my check for $1 for renewal of subscription to HARDWARE. I would not be without your paper nor should any one handling electrical supplies.

"JUST WHAT HAS BEEN WANTED."

W. P. Walter's Son, Philadelphia, Pa.: Enclosed please find $1 for renewal to HARDWARE. We think your paper is just what has been wanted for a long time for the retail Hardware trade.

"WELL PLEASED WITH 'HARDWARE.'"

W. W. Johnston, Bartlett, Ohio: Enclosed find $1 to pay my subscription to your journal. I am well pleased with the paper, and think it would pay all dealers in Hardware to take it.

"LIKES IT."

A. D. Matthews, Liberty, Me.: Enclosed find check for $1 to pay for HARDWARE for another year. The paper I like much.

"WELL WORTH THE MONEY."

A. A. Case, Pittsford, Mich.: Enclosed please find $1 to pay for my subscription to your paper. I think it well worth the money.

"ALL WANT TO READ IT."

H. E. Iseman, Prattsville, Mich.: The boys all want to read HARDWARE as soon as it reaches us, and are delighted with it.

"WHAT EVERY MAN WANTS."

C. A. Fisk, Helena, Mont.: HARDWARE is what every man wants, who hopes to gain success in the Hardware business.

"THE BEST OF ALL PAPERS."

S. I. King, Brighton, Mich.: I received a specimen copy of your paper dated October 10th, and I like it best of all the papers I have ever seen, devoted to the retail trade. Enclosed find $1 for which send me HARDWARE one year.

"A DOLLAR WELL INVESTED."

John T. Merimee, St. Mary's, Ky.: Enclosed please find $1 in payment for another year's subscription to your valuable paper—a dollar well invested, I believe, for it keeps me posted.

"CANNOT FAIL TO HELP OUR BUSINESS."

J. C. Tanger & Co., Hanover, Pa.: Please find $1 enlosed for one year's subscription. After examining a specimen copy, we think it one of the best, and that it cannot fail to help us in our business.

"WOULD NOT BE WITHOUT IT."

H. D. Wyman, Mt. Dora, Fla.: You will please find enclosed check for one year's subscription to HARDWARE. I think a great deal of your paper, and would not be without it.

"NO JOURNAL ITS EQUAL."

Hendricks & Stall, Thayer, Kan.: While we are doing business a great number of miles from New York, we know of no journal that we consider the equal of your paper.

"PRIZED IT VERY HIGHLY."

A. J. Pellum, Ranger, Texas: Enclosed find money order for $1. Please credit my account with the same. I prize your paper very highly and cannot afford to be without it.

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Smith & Egge Mfg. Co., Bridgeport, Conn. [*Traps, Locks, Chains, Pulleys, etc.*]: We have found your paper very useful as an advertising medium.

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Massey & Thompson, Monroe City, Mo.: Place our name on your subscription list. Your paper is the best thing we have seen in that line.

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Perforated Filter Press Plates.

THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

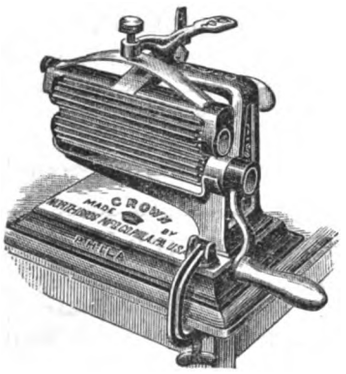
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For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS, BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, Etc.

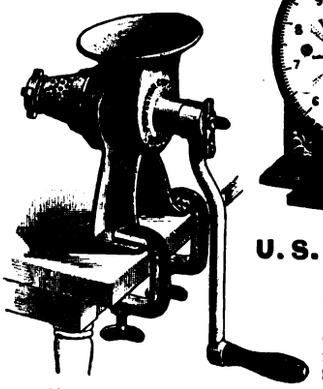
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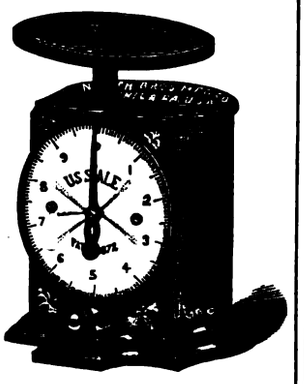
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"CROWN," "ORIGINAL KNOX," "AMERICAN."



"Perfection Cutter."



U. S. DIAL SCALES.

A Household Scale without loose weights, and arranged to balance pan or dish in weighing. Useful in household for weighing Sugar and fruits in preserving or canning, comparing weights of goods purchased, etc.

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RESERVOIR PUNCH

For Euchre and Whist Parties.

This Pocket catches the pieces punched from Tally Cards, thus preventing a littering of the carpet.
Is hinged, can be opened, emptied and closed in an instant.
Of great value to Railroads as it prevents the replacing of pieces punched out of monthly or commutation tickets.
Also valuable in Restaurants where punch tickets are used.

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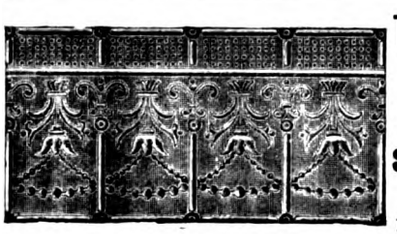
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Manufacturers of

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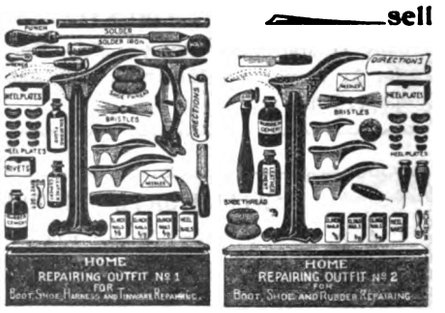
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Handles.
Berger Bros., Philadelphia.
Knapp & Pratt Mfg. Co., Geneva, Ohio.

Hangers, Coat and Hat.
Cronk Hanger Co., Elmira, N. Y.

Hangers, Door.
Darling, Brown & Sharpe, Providence, R. I.
Cronk Hanger Co., Elmira, N. Y.
John H. Graham & Co., New York
Lane Brothers, Poughkeepsie, N. Y.
McKinney Mfg. Co., Allegheny, Pa.
Stowell Mfg. & Fdry. Co. South Milwaukee, Wis.
Van Wagoner & Williams Hdwe. Co., New York and Cleveland.

Hardware Dealers, Agents, Etc.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Arcade Mfg. Co., Freeport, Ill.
Berger Bros., Philadelphia.
Bruce & Cook, New York.
Buchel Brush Novelty Co., New Orleans, La.
Ennis Specialty Co., Troy, N. Y.
Enterprise Mfg. Co., Philadelphia.
Alfred Field & Co., New York.
Griswold Mfg Co., Erie, Pa.
Hammacher, Schlemmer & Co., New York.
Hastings & De Baun, New York.
T. W. Houchin, New York.
A. N. Jacob, New York.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
National Specialty Co., Philadelphia.
North Bros. Mfg. Co., Philadelphia.
Charles Mortill, New York.
Pelouze Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.
Charles Weiland, New York.
T. F. Welch & Co., Boston.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Harness Snaps.
Covert Mfg. Co., West Troy, N. Y.

Hasps.
McKinney Mfg. Co., Allegheny, Pa.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Heaters.
C. R. Meres Heater Mfg. Co. Norwalk, O.

Hinges.
Bommer Bros., New York.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New York.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Hitching Posts.
Ohio Metal Co., Norwalk, Ohio.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.
J. G. Speidel, Reading, Pa.

Horse Nails.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co. Neponset, Mass.

Hose Couplings.
Clayton & Lambert Mfg. Co., Ypsilanti, Mich.

Hose Menders.
Clayton & Lambert Mfg. Co., Ypsilanti, Mich.
F. E. Kohler & Co., Canton, Ohio.

Hose Pipe.
New York Belting & Packing Co., Ltd., New York.
Rossendale-Reddaway Belting & Hose Co., Newark, N. J.

Hose Reels.
Hartsell Novelty Works, Alliance, Ohio.

Hose, Rubber.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Ice Tools.
John Chatillon & Sons, New York
Enterprise Mfg. Co., Philadelphia.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
Logan & Strobridge Iron Co., New Brighton, Pa.
North Bros. Mfg. Co., Philadelphia.
Wm. T. Wood & Co., Arlington, Mass.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Ink.
Barnes National Ink Co., New York and Philadelphia.

Insurance.
Mutual Life Insurance Co. New York.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Jail Work.
Stewart Iron Works, Cin'nati, O.

Japanning.
C. H. Angus, Albany, N. Y.

Kraut Cutter.
National Saw Co., Newark, N. J.

Ladders.
Bicycle Step Ladder Co., Chicago.
Indiana Ladder Co., Indiana, Pa.

Lamps.
Ohio Electric Works, Cleveland, Ohio.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lanterns.
Buhl Stamping Co., Detroit, Mich.

Lathes.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.

Lathing, Metallic.
George Hayes, New York.

Lawn Fountains.
E. T. Barnum, Detroit, Mich.
F. E. Kohler & Co., Canton, Ohio.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
F. E. Kohler & Co., Canton, Ohio.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
F. E. Kohler & Co., Canton, Ohio.

Lead.
Bruce & Cook, New York.
Colwell Lead Co. New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Lemon Squeezers.
Berger Bro., Philadelphia.
John H. Graham & Co., New York.
Logan & Strobridge Iron Co., New Brighton, Pa.
John Sommer's Son, Newark, N. J.

Levels.
Tower & Lyon, New York.

Locks and Knobs.
Ames Sword Co., Boston.
Brass Goods Mfg. Co., Brooklyn, N. Y.

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Champion Safety Lock Co., Cleveland, O.
W. & E. T. Fitch Co., New Haven, Conn.
John H. Graham & Co., New York.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York and New Haven, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Machinery.
A. Adamson, Akron, Ohio.
Athol Machine Co., Athol, Mass.
Crescent Emery Mills Co., Oscawana, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
The Scranton & Co., New Haven, Conn.
Vieillard & Osswald, Brooklyn, N. Y.
Watrous & Co., Troy, N. Y.
J. K. Williams, Akron, Ohio.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y
T. F. Welch & Co., Boston.

Mail Boxes.
W. C. Heller & Co., Montclair, N. J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.
North Bros. Mfg. Co., Philadelphia.

Mechanical Rubber Goods.
New York Belting & Packing Co., Ltd., New York.

Metal Ceilings.
Canton Steel Roofing Co., Canton, Ohio.
S. Keighley & Co., Pittsburg, Pa.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
Joseph Dixon Crucible Co., Jersey City, N. J.
John Chatillon & Sons, New York.
Meyers' Putz Pomade Co., Boston.

Milk Cans.
Buhl Stamping Co., Detroit, Mich.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Mirrors, Window.
Bayer & Co., Philadelphia.

Mixers.
Eynon & Sons, Philadelphia.

Model Making.
Schwerdtle & Siebert, Bridgeport, Conn.
T. F. Welch & Co., Boston.

Mops.
Matchless Mop Wringer Co., Canton, Ohio.

Mop Wringers.
Matchless Mop Wringer Co., Canton, Ohio.

Moulds.
A. Adamson, Akron, Ohio.
Schwerdtle & Siebert, Bridgeport, Conn.
J. K. Williams, Akron, Ohio.

Mucilage.
Barnes National Ink Co., New York and Philadelphia.

Nails.
Bruce & Cook, New York.
Fuller Bros. & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
Rockford Tack Co., Rockford, Ill.
Salem Wire Nail Co., Salem, O.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Nail Pullers.
The Scranton & Co., New Haven, Conn.

Nail Sets.
John H. Graham & Co., New York.
Storm Mfg. Co., Newark, N. J.

Nippers.
Charles Morrill, New York.

Odometers.
Davis, Stebbins & Co., Boston.

Office Railings.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cups.
Kendrick Valve & Washer Co., Syracuse, N. Y.

Oilers.
Cushman & Denison, New York.
Tower & Lyon, New York.

Oil Stones.
Pike Mfg. Co, Pike Station, N. H.

Ornamental Iron Work.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Ovens.
Monarch Stove Co., Mansfield, O.
Union Heater Supply Co., Detroit, Mich.

Packing.
Gould Packing Co., East Cambridge, Mass.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Canton Steel Roofing Co., Canton, Ohio.
William Connors, Troy, N. Y.
Jos. Dixon Crucible Co., Jersey City, N. J.

Patents.
Hot Coffee Dinner Pail Co., Newark, N. Y.

Patent Solicitors.
Dyer & Driscoll, New York.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Cutters.
Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
C. E. Jennings & Co., New York.
Stanley Rule & Level Co., New Britain, Conn.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.
Niagara Silver Co., Niagara Falls, N. Y.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Pleasure Wheels.
Strobel Mfg. Co., Marion, Ohio.

Pliers.
Cronk Hanger Co., Elmira, N. Y.

Police Equipments.
Tower & Lyon, New York.

Polish.
John Chatillon & Sons, New York.
Joseph Dixon Crucible Co., Jersey City, N. J.
Meyers' Putz Pomade Co., Boston.
J. L. Prescott & Co., New York.

Post Hole Diggers.
John H. Graham & Co., New York.
F. E. Kohler & Co., Canton, Ohio.

Poultry Netting.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.

Power Hammers.
The Scranton & Co., New Haven, Conn.

Power Presses.
Vieillard & Osswald, Brooklyn, N. Y.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Vieillard & Osswald, Brooklyn, N. Y.

Prismatic Sidewalks.
Stewart Iron Works, Cin'nati, O.

Pulleys.
F. E. Myers & Bro., Ashland, Ohio.
Ney Mfg. Co., Canton, Ohio.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Pumps.
Barnes Mfg. Co, Mansfield, Ohio.
Chase Pump & Mfg. Co., Columbus Ohio.
F. E. Myers & Bro., Ashland, O.
Pittsburgh Pump Co., Pittsburgh Pa.
St. Joseph Pump Mfg. Co., St. Joseph, Mo.
Union Heater Supply Co., Detroit, Mich.

Punches.
F. J. Mattison, New York.
Charles Morrill, New York.

Radiator Deflectors.
Clark Hot Air Deflector Co., Akron, O.
J. Rutherford & Son, Akron, Ohio.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Stewart Iron Works, Cin'nati, O.

Rails, Barn Door.
McKinney Mfg. Co., Allegheny, Pa.

Raisin Seeders.
Enterprise Mfg. Co., Philadelphia.

Rakes.
John H. Graham & Co, New York.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.

Ranges.
Monarch Stove Co., Mansfield, O.
Taplin, Rice & Co., Akron, Ohio.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
P. J. Conroy & Co., Philadelphia.

Reels.
Hartzell Novelty Works, Alliance, Ohio.

Repairing Outfits.
Root Bros. Co., Plymouth, Ohio.

Rivets.
Bruce & Cook, New York.

Rollers.
Fulton Machine Co., Canal Fulton, O.

Roller Skates.
Tower & Lyon, New York,
Union Hardware Co., Torrington Conn., and New York.

Roofing and Roofers' Supplies.
Canton Steel Roofing Co., Canton, Ohio.
Berger Bros., Philadelphia.
L. D. Berger, Philadelphia.
Berger Mfg. Co., Canton, O.
Watrous & Co., Troy, N. Y.

Roof Trusses, Iron.
Stewart Iron Works, Cin'nati, O.

Rubber Belting.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rules.
Athol Machine Co. Athol, Mass.
Darling, Brown & Sharpe, Providence, R. I.

Saddles.
Butler & Ward, Newark, N. J.
Sager Mfg. Co., Rochester, N. Y.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
W. & E. T. Fitch Co., New Haven, Conn.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
C. E. Jennings & Co, New York.
National Saw Co., Newark, N. J.
Wm. T. Wood & Co., Arlington, Mass.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Sets.
F. E. Kohler & Co., Canton, Ohio.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
North Bros. Mfg. Co., Philadelphia.
Pelouze Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.
Wm. T. Wood & Co., Arlington, Mass.

Scrapers, Wheel.
Sidney Steel Scraper Co., Sidney, O.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co. Georgetown, Conn, New York Chicago.
A. J. Phillips Co., Fenton, Mich.
Sickels & Nutting Co., New York.

Screws.
Harvey Hubbell, Bridgeport, Ct.
Sickels & Nutting Co., New York

Screw Cutting Tools.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
Tower & Lyon, New York.
Tuck Mfg. Co., Brockton, Mass.

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Screw Plates.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
Seymour Cutlery Co., Holyoke, Mass.
Watrous & Co., Troy, N. Y.
J. Wiss & Sons, Newark, N. J.

Sheet Brass.
Waterbury Brass Co., New York.

Sheet Steel.
Dunbar Bros., Bristol, Conn.

Shelf Boxes.
W. C. Heller & Co., Montclair, N. J.
Henry H. Sheip & Co., Philadelphia.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Niagara Silver Co., Niagara Falls, N. Y.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Single Tube Tires.
New York Belting & Packing Co., New York.

Sink Cleaners.
John W. Sudlow, Brooklyn, N. Y.

Skates.
John H. Graham & Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Skylights.
George Hayes, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Smoke Pipe Registers.
Ferrosteel Co., Cleveland, Ohio.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Solder.
Bruce & Cook, New York.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Spoke Shaves.
Stanley Rule & Level Co., New Britain, Conn.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
Dunbar Bros., Bristol, Conn.
Miller & Van Winkle Co., Brooklyn, N. Y.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Stairs, Iron.
Stewart Iron Works, Cin'nati, O

Stamps.
Schwerdtle & Siebert, Bridgeport, Conn.

Staples.
Salem Wire Nail Co., Salem, Ohio
Geo. W. Stanley & Co. Belleville, Ill.

Statuary.
E. T. Barnum, Detroit, Mich.

Steel Goods.
Canton Steel Roofing Co., Canton, Ohio.
Finished Steel Co., Youngstown, O.

Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Steel Traps.
Oneida Community, Kenwood, N. Y.

Stencils.
Schwerdtle & Siebert, Bridgeport, Conn.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Indiana Ladder Co., Indiana, Pa.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Holroyd & Co., Waterford, N. Y.

Store Fixtures.
Hartzell Novelty Works, Alliance, Ohio.

Stoves.
T. W. Houchin, New York.
Monarch Stove Co., Mansfield, O.
Taplin, Rice & Co., Akron, Ohio.

Stove Mittens.
Diamond Hardware Co., Boston.
Paras & Paras, Troy, N. Y.

Stove Polish.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co.' Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Structural Iron Work.
Stewart Iron Works, Cin'nati, O.

Tackle Blocks.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Ney Mfg. Co. Canton, Ohio.
Union Hardware Co., Torrington, Conn

Tacks.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tack Pullers.
Higgins Mfg. Co., Boston.
Knapp & Pratt Mfg. Co., Geneva, Ohio.

Tailors' Irons.
Union Heater Supply Co., Detroit, Mich.

Tape Measures.
Waterbury Brass Co., New York.

Tapping Machines.
Harvey Hubbell, Bridgeport, Ct.

Taps and Dies.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Tap Wrenches.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Targets.
Cleveland Target Co., Cleveland, Ohio.

Telephones.
Union Electric Co., Cleveland, O.

Tiling.
New York Belting & Packing Co., Ltd, New York.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tires Rubber.
Morgan & Wright, Chicago.
New York Belting & Packing Co., New York.

Toilet Paper.
A. P. W. Paper Co., Albany, N. Y.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Hammacher, Schlemmer & Co. New York.
Th. M. Hass, New York.
Holroyd & Co., Waterford, N. Y.
Harvey Hubbell, Bridgeport, Ct.
C. E. Jennings & Co., New York.
Standard Tool Co., Cleveland, O.
Stanley Rule & Level Co., New Britain Conn.
Tuck Mfg. Co., Brockton, Mass.
Underhill, Clinch & Co., New York.

Traps.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
John H. Graham & Co., New York.
Oneida Community, Kenwood, N. Y.
Smith & Egge Mfg. Co., Bridgeport, Ct.

Trowels.
Henry Disston & Sons, Philadelphia.
C. F. Jennings & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
National Saw Co., Newark, N. J.

Trucks, Store.
Boston & Lockport Block Co., Lockport, N. Y.
John Chatillon & Sons, New York.
John H. Graham & Co., New York.
Sidney Steel Scraper Co., Sidney, Ohio.

Trucks, Stove.
Barnes Mfg. Co., Mansfield, O.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Tubing.
New York Belting & Packing Co., Ltd., New York.
Pope Tube Co., Hartford, Conn.

Turnbuckles.
Merrill Bros., Brooklyn, N. Y.

Valves.
Berger Bros., Philadelphia.
Kendrick Valve & Washer Co., Syracuse, N. Y.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Varnishes.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scotland.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
Howard Iron Works, Buffalo, N. Y.
Tower & Lyon, New York.
Van Wagoner & Williams Hardware Co., New York.

Wagon Jacks.
Lane Brothers, Poughkeepsie, N. Y.

Wagon Umbrellas.
Sprague Umbrella Co., Norwalk, Ohio.

Washers.
Kendrick Valve & Washer Co. Syracuse, N. Y.

Watchman's Clocks.
E. O. Hausburg, New York.
E. Imhauser, New York.
Nanz & Co., New York.

Wax Tapers and Torches.
T. W. Houchin, New York.
Union Heater Supply Co., Detroit, Mich.

Wheelbarrows.
Akron Cultivator Co., Akron, O.
Arnold Metal Wheel Co., New London, Ohio.
Bryan Mfg. Co., Bryan, Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Sidney Steel Scraper Co., Sidney, Ohio.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.

Window Screens.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
John H. Graham & Co., New York.
A. J. Phillips Co., Fenton, Mich.
Sickels & Nutting Co., New York.

Window Stop Adjusters.
Taplin Mfg. Co., Forrestville, Ct.

Wire, Manufacturers.
Bruce & Cook, New York.
Dunbar Bros., Bristol, Conn.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago San Francisco.
Salem Wire Nail Co., Salem, Ohio.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co, Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton Mass.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
New York Wire Cloth Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Goods Manufacturers.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Fuller Bros. & Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
New York Wire Cloth Co., New York.
T. F. Welch & Co., Boston.
Wright & Colton Wire Cloth Co. Worcester, Mass.

Wire Gates, Fences and Fencing.
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Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Indiana Wire Fence Co., Crawfordsville, Ind.
Stewart Iron Works, Cin'nati, O.
Wright & Colton Wire Cloth Co. Worcester, Mass.

Wire Lathing.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wire Nails.
Bruce & Cook, New York.
Salem Wire Nail Co., Salem, Ohio

Wire Work.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wrenches, Manufacturers.
Armstrong Mfg. Co., Bridgeport, Conn.
Coes Wrench Co., Worcester, Mass.
Tower & Lyon, New York.

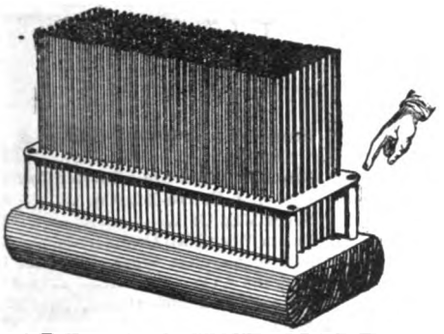
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Bommer Bros., Brooklyn, N. Y.
Reading Hardware Co., Reading Pa.

Zinc.
Bruce & Cook, New York.

Zinc, Perforated.
Harrington & King Perforating Co., Chicago.

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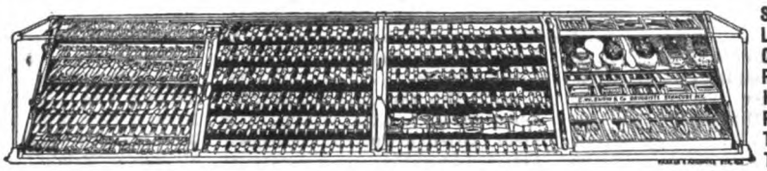
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Canton, Ohio.

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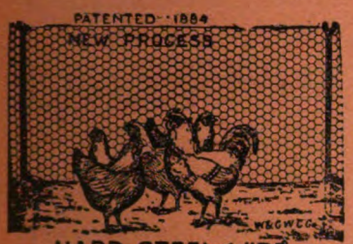
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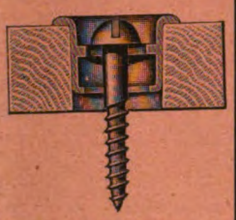
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HARDWARE

HARDWARE EXCLUSIVELY.

A Review of the American Hardware Market.

Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. XV. No. 8. New York, July 25, 1897. $1.00 A YEAR.

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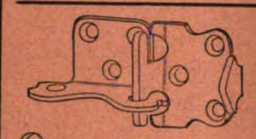
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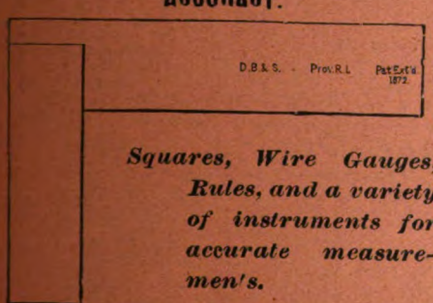


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15,000 holes tapped per day. Description mailed.

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TEMPERED COMPRESSION & EXTENSION SPRINGS A SPECIALTY.

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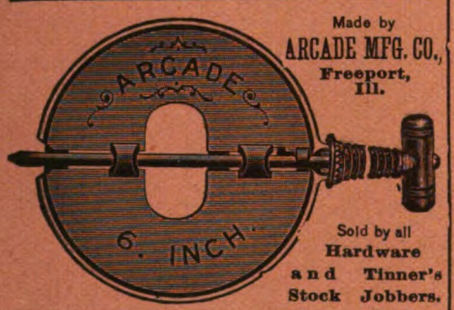
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CUT NAILS.

Plain and Galvanized Wire.

BARB WIRE.

Wire Straightened and Cut to length.



Made by
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Sold by all
Hardware
and Tinner's
Stock Jobbers.



Ask your jobber for it.

IT DRAWS THE CORK

—twists it out with ease. Saves all the customary pulling and bothering.

WALKER'S SELF-PULLING

CORK SCREW No. 5

with wire cutter.

Is best of all. . . . .
Invaluable to everyone.

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Erie, Pa., U. S. A.

ESTABLISHED 1857.

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Steel Springs of Every Description.

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I do the leading business in this city in buying and selling

JOB LOTS

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I have a Job Lot of Gents' Genuine VICTOR Bicycles at $40 and $42.50 each.

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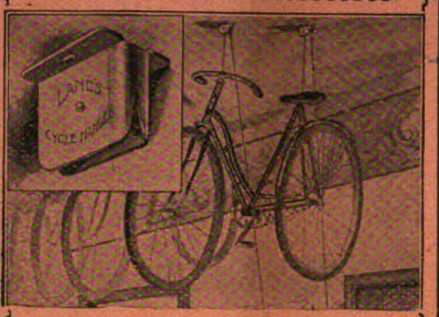
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Lane's Pat. Cycle Hanger is packed in pairs complete with screws and rope adapted for attaching to any bicycle; length sufficient for 10-foot ceiling. For sale by Bicycle and Hardware dealers, or sent by mail, post paid, on receipt of price, $1.00.

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Of Brass, Copper, Iron, Galvanized and Steel Wire of all meshes and grades. For Mining, Milling, and all other purposes. **Locomotive Spark Wire Cloth, &c.**

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High Grade

Buffing Wheels,

Large variety, adapted to every class of work.

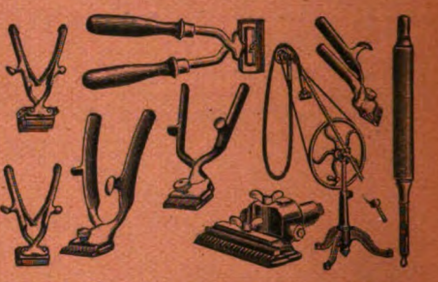
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We are the largest manufacturers of Buffs in the United States. . .

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Best construction, quality and workmanship guaranteed.

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HAND POWER CORK SCREW,



WITH THIS SCREW LADIES CAN DRAW TIGHT CORKS EASILY.

Pulls the Cork out of the Bottle.

DIRECTIONS FOR USE:

KEEP ON TURNING, DO NOT PULL.

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LAFLIN & RAND

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ABSOLUTELY UNIFORM, IMPERVIOUS TO MOISTURE, OR

Orange Extra Sporting,

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WILMINGTON, DELAWARE.

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Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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For general shooting, either in muzzle or breech loaders.

"V. G. P." NEW TRAP POWDER. "V. G. P."
A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

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Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

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Of a quality to meet requirements of U. S. Army and Navy.

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Meyers' Putz Cream Liquid Metal Polish



Unsurpassed for imparting a brilliant polish to

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TRY IT

It is particularly valuable for

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As it leaves no stains or discolorations. Samples, advertising matter and electrotypes gratis.

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¼ pint cans	(2 doz. in case)	$1.80	per doz.
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1 quart can	2 " "	10 80	"
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1 " "	.....	36.00	"

Order as originally packed and get best discounts.

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"OLD JOB JOHNSON'S."



The **Best Gate,**

Latch and Hinge

EVER MADE.

The Years Have Proved Their Value

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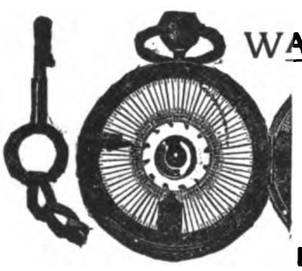
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Reasonable arrangements can be made. WRITE ME TO-DAY.

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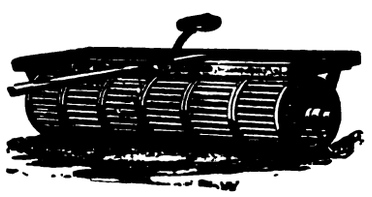
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WITH SAFETY LOCK ATTACHMENT.

Highest Award at Columbian Exposition.

This Clock is neat, thoroughly reliable and very durable. Cannot be tampered with. Price moderate. Is adapted for six or twelve stations, having a different key for each. Registering is done by number from 1 to 6 and 1 to 12, each station having its number. No chance for a fraudulent record here. Old style detectors mark by holes or an impression on dial, the same for all stations. Allowance made for old Detectors. Send for circulars, prices and further particulars.

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PERCUSSION CAPS

OF ALL KINDS.

Hicks Primers, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES,

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OF EVERY DESCRIPTION.



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—WARRANTED—



Fitted with long handles. A specialty for bill posters and traveling advertisers; also useful in other trades.

Superior to any magnetic tool heretofore made.

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Still remain the STANDARD OF THE WORLD.

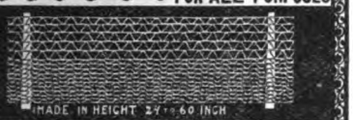
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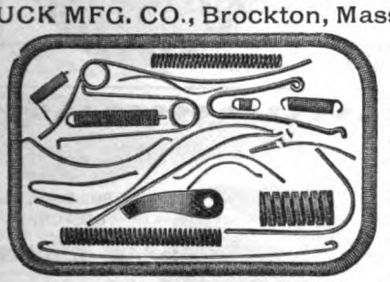
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JUST THE FENCE YOU WANT
IT IS STRONG, DURABLE, CHEAP,
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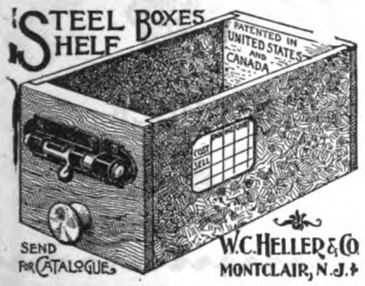
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Tempered Springs of all kinds.

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We Guarantee the quality of our Files to be equal to that of our Saws.

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General Machine Work, Molds for Bicycle Tires, Air Goods, Druggists' Sundries, Matrices for Hard Rubber Goods, Die Sinking, Hydraulic Presses, Special Machinery, etc. Estimates cheerfully given. Correspondence solicited. Work promptly done.

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Are salable goods for any Hardware Dealer and carry with them a good profit.

Have you our new Production Catalogue? It is sent free of charge.

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Smoke Pipe Register (Black) with White Ceiling Plate.

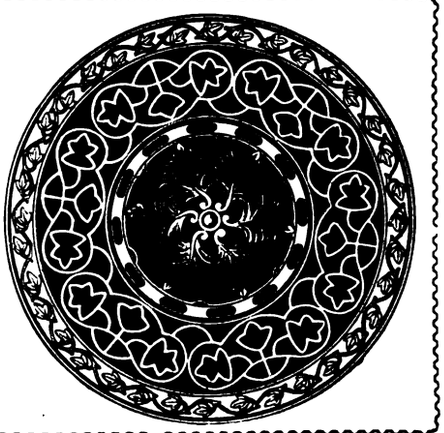
Indian Design Patented.

Showing Removable Cap for use when Smoke Pipe is taken down.

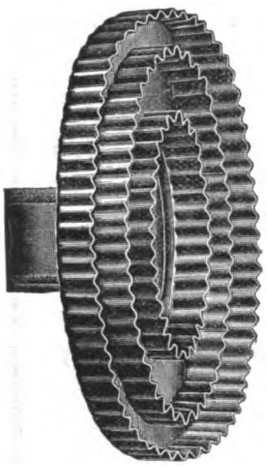
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Registers made of Ferrosteel are noted for Strength, High Finish and Excellent Workmanship.

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IT'S IN THE TEETH.

The Patent "REFORM" Curry Comb is composed of three shallow, oval trays, with corrugated edges. The parts are struck up from a fine grade of cold rolled steel, heavily tinned and bronze lacquered, firmly riveted together and warranted not to rust. The outer dimensions are 6½x4¼ inches and by reason of the large cleaning surface and peculiar arrangement of teeth, the comb will do its work with a large saving of time and labor, cleaning with equal thoroughness both long and short coats. There are no places to accumulate hair and it will not tear or injure the brush, the comb being quickly freed from accumulation by giving its face a gentle tap.



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SOLE MANUFACTURERS,

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Price, $30.

Is your cash receipts? Are you inclined to increase your profits?

It is safe to assume that every sane business man is; therefore, let us send you circular describing our Star Cash Register, a handsome and durable machine that will register any sum from one cent to ten dollars, and enable you to keep a record of each sale that can be relied upon as being absolutely correct.

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THE "Norton"

Address 505 SEARS BUILDING, BOSTON, MASS.

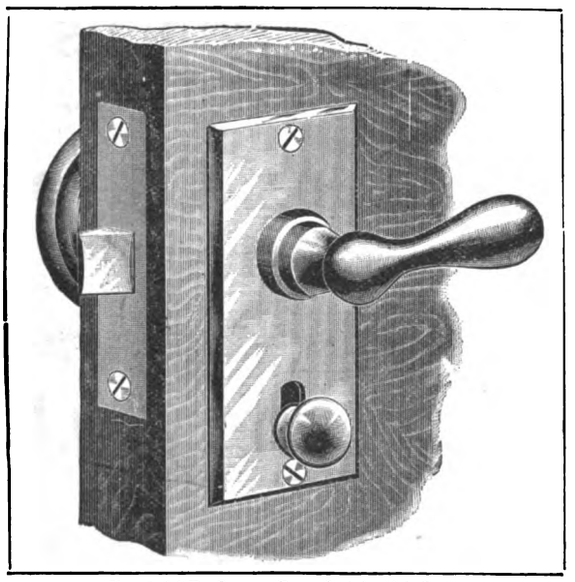


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DOOR-CHECK and Spring.

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No. 97½ P—Screen Door Latch with Stop.

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Manufacturers of **Builders' Hardware,**

Factory and General Offices,

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Is the Largest Insurance Company in the World.

The Records of the Insurance Department of the State of New York SHOW THAT The Mutual Life

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And Pays More to Policy-holders,	($25,000,000 in 1896,

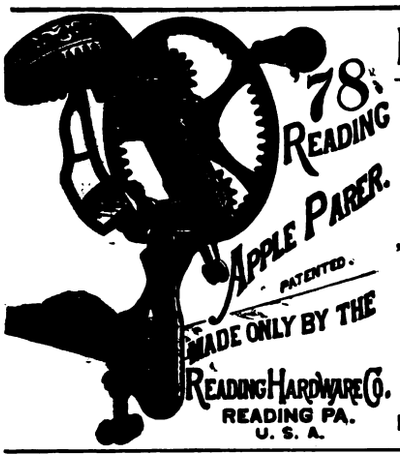
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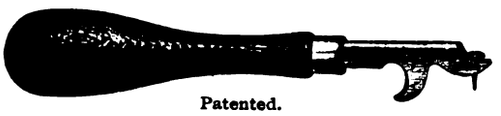
It Leads them all. . .

Our '78 Apple Parer is known everywhere as the Standard parer. Other celebrated parers are:

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"Baldwin" Apple Parers,
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NEW YORK, PHILADELPHIA, CHICAGO.

"Happy Thought" Tack Puller.



Patented.

Made of polished steel. Will pull all size tacks, and the construction and shape makes it easy to pull the tack without breaking the heads off. The bottom hook which serves as the lever in drawing the tack is also convenient to lift the carpet from the floor. One trial will prove that the "Happy Thought" is the best. The price, 10 cents brings it in reach of all For sale by all leading Hardware dealers. This is a fine seller, and we will send a sample to the trade on receipt of a two-cent stamp. Manufactured by the

HIGGINS MANUFACTURING CO., 159 Pearl St, BOSTON, MASS.



ATHOL MACHINE CO.,

Athol, Mass., U. S. A.

Manufacturers of

Vises, Meat Choppers,
Mechanics' Fine Tools, &c.

Send For Catalogue.

Successors to Shepard Hardware Co. of Buffalo, N. Y.

In Blind, Shutter and Gate Hinges, Gate Latches, Frame Axle Pulleys, No. 25 Niagara, No. 26 Star, No. 30 IXL., No. 60 Square End, No. 35 Acme solid case, with markers, and the Gem Machine Pulley from 1 3-4 in. to 2 1-2 in.

We also manufacture——

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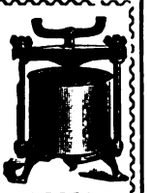
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IS THE BEST.

Strong and Substantial. Quick Acting.

TINNED ALL OVER.

LOGAN & STROBRIDGE IRON CO., New Brighton, Pa.



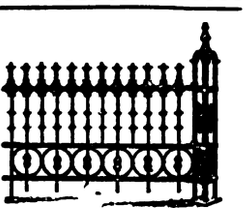
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The Stewart Iron Works,

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Manufrs of Iron Fence, Jails, Architectural and Ornamental Iron Work.



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Reservoir Vases.

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Mention this paper. Agents wanted.

FAMILY GRINDSTONES.

Great Reduction in Prices.

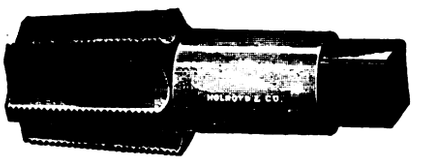
If you have not received our revised price list write for it.

The Cleveland Stone Co.,

Cleveland, O.

Hardware Dealers

Send us your address and we will mail Catalogue and discount sheet of **STOCKS & DIES, TAPS, etc.**



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RESULTS ARE SO SATISFACTORY.

Capewell Horse Nail Co., Hartford, Conn. [*Horse Nails*]: We have been liberal advertisers in your journal for years, and the results are so satisfactory that we expect to be much more liberal for years to come.

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BUSINESS IS BETTER AND THERE WILL BE A LARGER DEMAND THAN EVER FOR OUR

Sheep Skin Mitten.

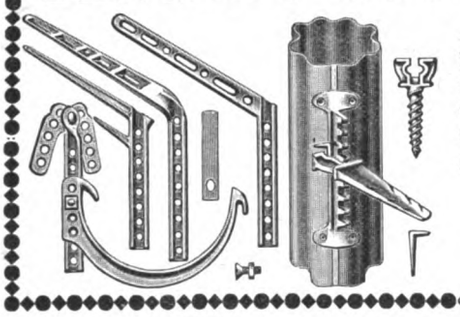


Acknowledged to be the best article for polishing stoves, as it does away with the old time dirtiness of the work, making this work a pleasure. Also invaluable for polishing brass or glass, or silverware, which it does not scratch. For tan shoes and cleaning bicycles it has demonstrated itself a conspicuous success.

Diamond Hardware Co.,

624 Atlantic Ave., Boston, Mass.

BERGER'S GUTTER HANGERS



And Pipe Fasteners are the best made. Different styles and shapes, all adjustable to suit any need. Send for Hanger Circular Z, showing all the styles. . . . . .

BERGER BROS.,

PHILADELPHIA, PA.



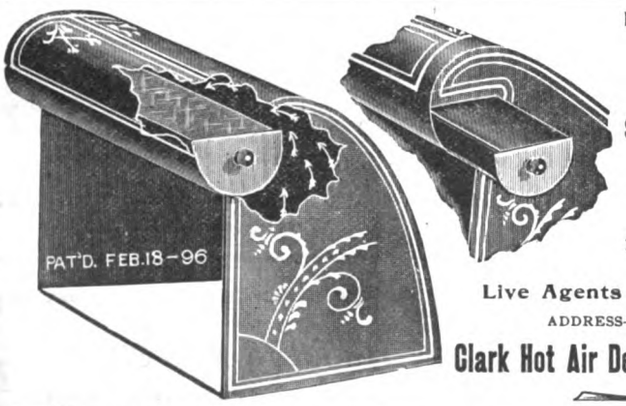
We can furnish you with

Staple Goods.

Such as **Wire Nails, Fence Staples, Plain and Galvanized Smooth Wire, Painted and Galvanized Barbed Wire.**

THE SALEM WIRE NAIL CO., Salem, Ohio.

New York Office, 277 Broadway.



No more black on your walls.
No more dust in your rooms.

USE

Clark's Steam and Hot Air Register Bonnets.

Patented Feb. 18, 1896.

All others are infringements.

1900 Sold in Akron, Ohio, in three months.

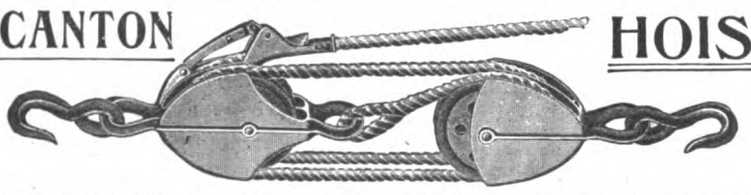
Live Agents Wanted in Every City

ADDRESS

Clark Hot Air Deflector Co.,

Akron, Ohio.

The CANTON HOIST



Can be used perpendicularly, horizontally, and at any angle. . . .

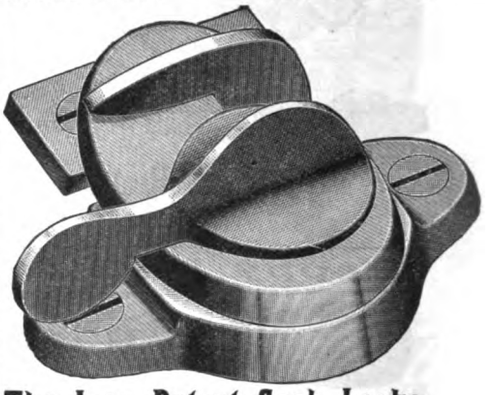
In factories of all kinds, foundries, quarries, mills and warehouses; also by contractors, carpenters, stone masons and all classes of mechanics. Manufactured by

THE NEY MFG. CO., CANTON, OHIO.

New Stamped Metal Sash Lock,

In Cold Rolled Steel, Bronze and Brass. In all the Popular Finishes.

LOCKS OPEN. LOCKS CLOSED.



The Ives Patent Sash Locks,

Have acknowledged superiority for the complete manner in which they perform the work they are intended to do. . . .

PATENTED AND PATENTS PENDING.

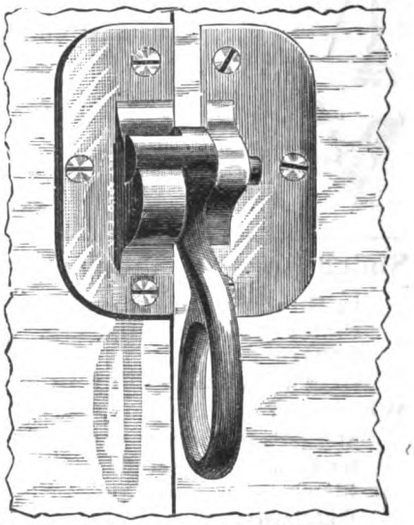
MANUFACTURED BY

HOBART B. IVES & CO.,

New Haven, Conn.

The CONROY PATENT Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

Beware of Infringements. Paschall, Phila.

One of the First and Last Advertisers.

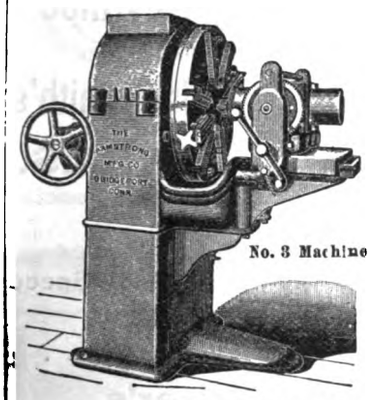
New Jersey Car Spring & Rubber Co., Jersey City, N. J. [*Rubber Goods*]: This company was one of the first to enter your list of advertisers, and we expect to be among the last to retire. We feel that HARDWARE is one of the publications we can't afford to stay out of.

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Your Stock Is Not Complete

Without a line of

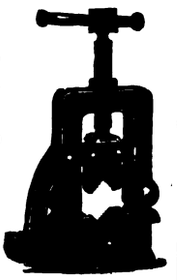
The "ARMSTRONG"



No. 3 Machine

PIPE THREADING & CUTTING OFF MACHINES, ADJUSTABLE STOCKS & DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—

THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



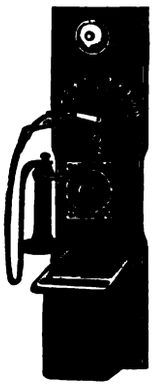
THE ARMSTRONG MFG. CO.,
Bridgeport, Conn.

—NEW YORK OFFICE: 139 CENTRE STREET.—

TELEPHONES

For Your . . .

Factories,
Stores,
Offices
and
Exchanges.



We make the

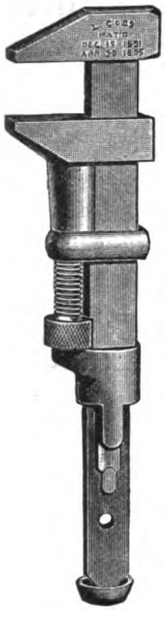
BEST

Send for Our Catalogue.

The Union Electric Co.,

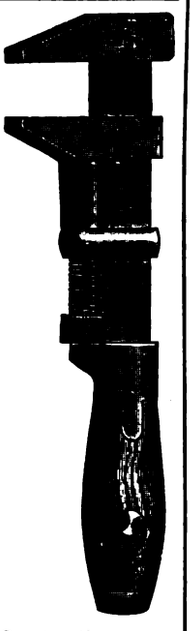
15 High St., Cleveland, O.

L. COES'



Genuine Improved
KNIFE HANDLE
PATENT

Screw Wrenches.



MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1889. Registered April 9, 1895.

Patented Dec. 15, 1891. Patented April 30, 1895.

Sectional View Illustrates our New Knife Handle, showing Manner of Construction.

☞ Straight Bar, Extra Long Nut for Screw in Jaw. ☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.
JOHN H. GRAHAM & CO. } New York Agents.

OHIO METAL CO.,

NORWALK, OHIO.



Awarded the Medal at Atlanta Exposition

Incorrodible Steel Hitching Post, ornamental and lasts a lifetime.

Automatically takes up slack of chain.

Freedom and comfort for animal. Safety and security for owner.

Ready Sellers.

Write for prices and secure exclusive agency for your city.



Newhouse Steel Traps.

If you want to know all about STEEL TRAPS and how to catch fur-bearing animals send to

Oneida Community,

Limited,

KENWOOD, N. Y

For Catalogue and Prices.

S. Newhouse

ESTABLISHED 1868

SKYLIGHTS (METALLIC) HAYES LATHING &c

71-8TH AVE. NEW YORK.

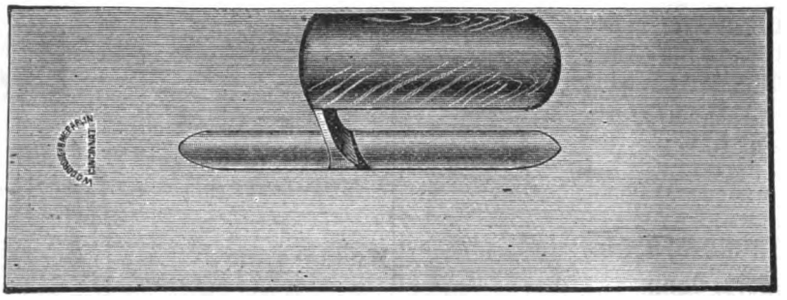
FIRE-PROOF CONSTRUCTION

IS A GOOD ONE.

Morgan & Wright, Chicago, Ill. [*Bicycle Tires*]: There can be no question about the advisability of using the Hardware trade as a means of disposing of bicycles and bicycle parts, and as to the efficiency of HARDWARE, we can only say what we would say in reply to an inquiry from any other publisher, i. e., we have no direct means of knowing whether our "ads" do us good or not. If we insert an "ad," it is on our judgment that the publication is a good one.

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"There Are Others," But not the Genuine, ALL Imitations.



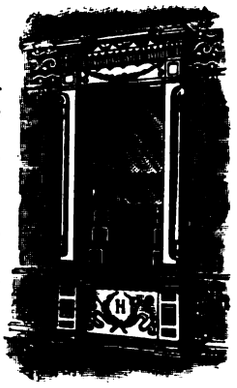
THE ONLY ORIGINAL

WOODROUGH & McPARLIN (CINCINNATI) PLASTERING TROWEL

——IS MFD. BY——

The National Saw Co., General Office: NEWARK, N. J.

Hartman's Patent Inside Sliding Blind.



It is the most popular Blind in America; more convenient, 25 per cent. cheaper than the hinged blind, and will last double the length of time. The only blind that gives universal satisfaction. Tens of thousands are in use. Architects are specifying them on their merits. . . . . .

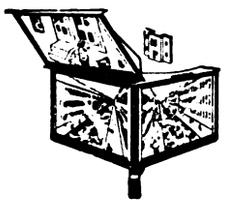
Also

Hartman's Patent Weighted Sliding Blinds are perfection themselves. Everybody is delighted with them. . . . . .

Hartman's System of Window and Door Screens is very superior. . . . . .

Send 6c. in stamps for new 100-page illustrated catalogue, or send for free circular. Address . . .

HARTMAN SLIDING BLIND CO., No. 100 LINCOLN AVENUE, CRESTLINE, OHIO, U. S. A.



WINDOW MIRRORS

Enables a person to see up and down the street, eight to ten blocks, and who's on the door step. Can be attached to any house. . . .

THE BEST MADE, "THE PERFECTION."

. . . Write for prices, etc. . . .

BAYER & CO., 28 North 13th St., PHILADELPHIA, PA.

ESTABLISHED 1835.

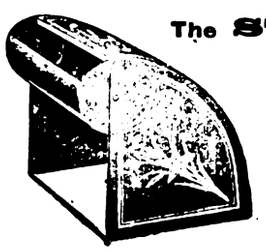
JOHN CHATILLON & SONS,

——MANUFACTURERS OF——

SCALES, BUTCHERS' TOOLS AND MACHINERY. .

85 to 93 Cliff Street, NEW YORK.

Sole Agents:
FOSTER BROS. CO., Butchers' Knives and Tools.
PHOENIX KNIFE CO., Pocket Knives, &c.
FRIEDERICH DICK, Butchers' Steels, &c.



The STAR DEFLECTOR

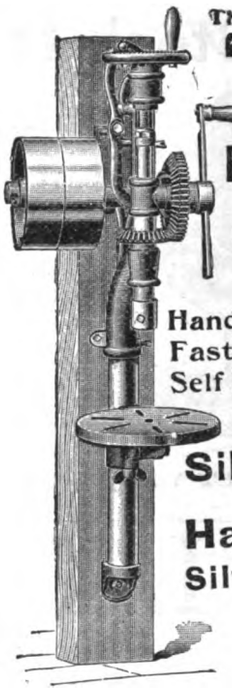
——SUPERIOR TO ALL OTHERS.

Used on Hot Air Furnaces and Radiators. Handsome, Simple, Durable. In moistening the atmosphere it overcomes the only objection to using Hot Air Furnaces. . . .

Manufactured only by

J. RUTHERFORD & SON,

133 S. Main Street, - - - - AKRON, OHIO.



The . . . "Advance" line Blacksmith's DRILLS.

Hand or Power
Fast or Slow Speed
Self Feed

ALSO . . .

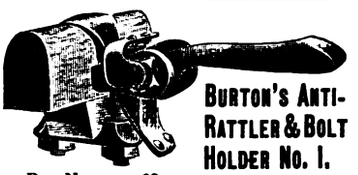
Silver's OLD LINE Hand Drills.

Silver's Power Post Drill
Cut Gears, Lever Feed, 19 Inch Swing.

Silver's Power Base Drill,
Cut Gears, Combined Lever and Wheel Feed, Round or Square Base, 20 inch Swing. . .

The last two drills are supplied with counter-shafts, and are suited for new work or repairs.

THE SILVER MFG. CO.,
SALEM, OHIO.

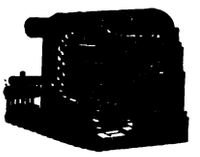


BURTON'S ANTI-RATTLER & BOLT HOLDER No. 1.

Pat. Nov. 15, 1887.

If you want to know all about it write to
THE FERNALD MFG. CO,
NORTH EAST PA.

A New Departure.



Hot Water Heater, combining Hot Water for Domestic purpose. With six (6) of our special manifolds, one man will cut and thread pipe and set up one in ten hours. Cheapest and best on earth.

Send for Catalogue. Agents Wanted.

The C. R. Meres Heater Mfg. Co.,
Norwalk, Ohio.

Headquarters
FOR
ELECTRIC and PORTABLE
Watchman's Clocks.

Lowest Prices. Latest Improvements.
PATENTS 1888-1896.

Write for Price List and Card showing difference between N. Y. time and local time in all parts of the world



THE "ALERT."
This is a One (1) Station Watchman's Clock
Price, with 100 paper disks, complete, - $10.00

E. O. HAUSBURG, 41 Maiden Lane, New York.

GREAT VALUE AS AN ADVERTISING MEDIUM.

Buck Bros, Milbury, Mass. [Tools]: We appreciate the great value of HARDWARE as an advertising medium.

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Measuring Faucet.


Tobacco Cutter.

We Make Faucets

That measure a pint, a quart or a gallon accurately. A Barrel Drainer that adjusts automatically to fit in the bunghole. No bung borers needed and no molasses wasted. Coffee, Spice and Drug Mills that grind as you like it. Draw Cut Tobacco Cutters that do not squeeze through, but cut with ease. Our goods are second to none. All are fully warranted. Send for Catalogue to

NATIONAL SPECIALTY MFG. CO.

Lehigh Ave. and Third St. - PHILADELPHIA, PA.

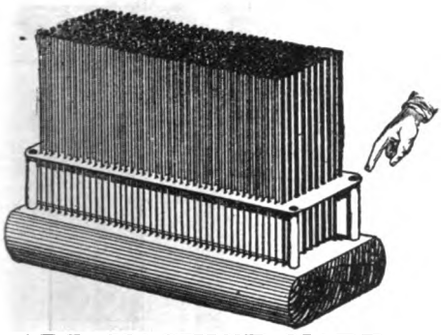


No. 3 Mill.



No. 1 Mill.

"IRON CLAD."


ALL MACHINE MADE.

SEE

THIS STRUCTURE? WHAT'S IT FOR?

Well, it gives surprising durability!

Our goods are Guaranteed unsurpassed in Durability, Workmanship, Material.

Their elegance attracts the eye at once.

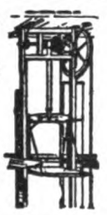
. . . *FOR FOUNDRIES, PAINTERS, ROOFERS, ETC.* .

SATISFACTION GUARANTEED OR MONEY BACK.

THE BUCHEL BRUSH NOVELTY CO.,

Mention "HARDWARE." NEW ORLEANS, LA.

Improved Quick and Easy Rising Steam, Electric and Hand Power



ELEVATORS

Send for Circulars.

Kimball Bros, Council Bluffs, Ia.

No. 1013 Ninth Street.

THE GEO. W. STANLEY CO.,

BELLEVILLE, ILL.

Manufacturers of

Cut Tacks, Small Nails, Double-Pointed Tacks and Staples.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

We carry in stock 126 sizes and kinds of

SHOVELS, SPADES AND SCOOPS



MANUFACTURED BY

Oliver Ames & Sons Corporation.

Send for our Shovel Catalogue showing goods carried in stock.

"Replies From All Sections."

McIntosh-Huntington Co., Cleveland, Ohio. [*General Hardware and Bicycles*]: As an advertising medium, we have recently had occasion to test HARDWARE in a manner that would give us some idea as to how successful it can be used. Our advertisement did not occupy a very prominent position, but was of a character to excite the cupidity of the reader. We found that within two days after your paper came out, we commenced to receive replies from all sections of the country to the advertisement. This would seem to be sufficient proof that yours is a good medium.

Summer is here—To make your grass grow—
Kohler's Sprinklers will do it you know.

LAWN FOUNTAINS

Four Styles

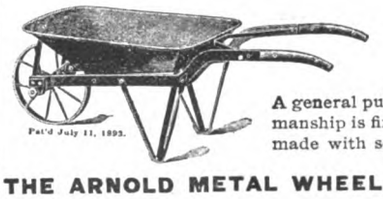
MYSTIC, MYSTIC NO. 2, RAINMAKER, DEW DROP.

Also Hose Menders and Wooden Hose Nozzles.

Every Dealer and Jobber should carry our entire line of money makers. Write for Catalogue.

F. E. KOHLER & CO., - Canton, Ohio, U. S. A.

ALL STEEL BARROWS Except Handles.



For Coal, Ashes, Cinders, etc.

A general purpose barrow. Capacity of tray, 4 cubic feet. The workmanship is first class in every respect; all riveted together. But wheels made with self-oiling boxes. Make your orders now for 1897.

THE ARNOLD METAL WHEEL CO., - - New London, Ohio.

THE FINISHED STEEL CO

YOUNGSTOWN, OHIO

MFR'S OF **POLISHED SHAFTING**

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CARPENTERS AND MACHINISTS' TOOLS.

TOWER'S CHAMPION SCREW DRIVERS.

Machinists', Cabinet and in sets.



See that the word "CHAMPION" is on each Screw Driver.

There are plenty of imitations to deceive.

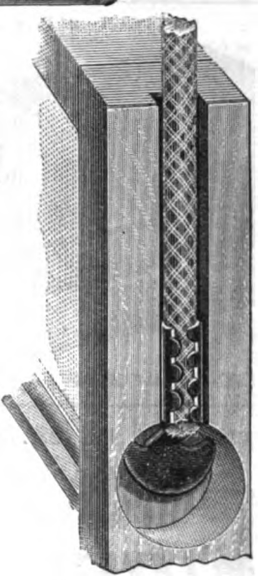
STEPHENS' PAT. VISES.





PHILLIPS'

Sash Cord,
Sash Weight,
Sash Chain
and
Sash Ribbon
Fasteners.



Shows Fastener in use.

TOWER & LYON,

95 CHAMBERS and 77 READE STS., NEW YORK.

MANUFACTURERS . . .

PADLOCKS, POLICE GOODS, ETC.

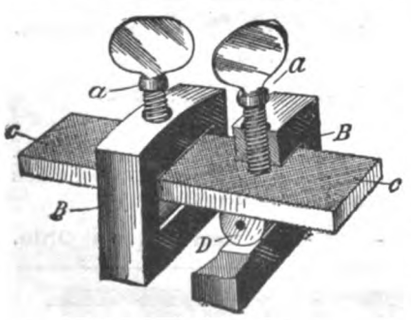
ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE,
CALLED THE
DONOGHUE RACING SKATE.
Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener

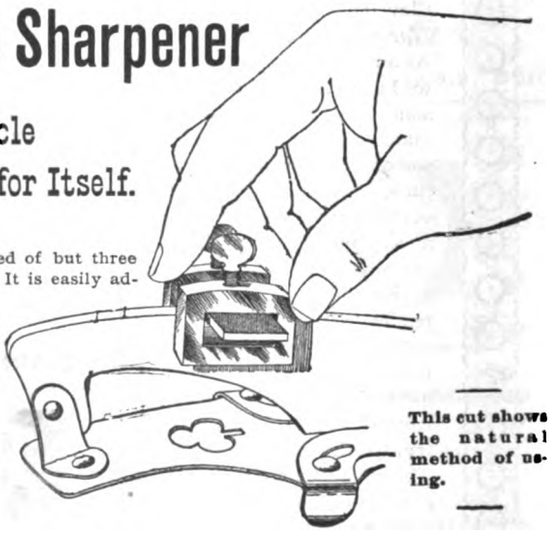


A New and Useful Article
Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

——MANUFACTURED BY——

UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. **Torrington, Conn.**

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MORRILL'S Perfect Saw Sets.

BENCH STOPS.

UNIVERSAL PUNCHES.

TRADE MARK

CAR SEALERS.

CUTTING NIPPERS.

This Trade Mark is stamped on all Saw Sets and other Hardware Specialties of my make.

CHARLES MORRILL, 35 Warren Street, New York.

E. C. Atkins & Co.,



Indianapolis, Ind.

THE ORIGINAL

TUTTLE TOOTH.

The best saw in the world for the money. Fine Steel. Patent Temper. Why not supply your trade with the best saws, and buy the Atkins Brands? They're the best.

BRANCH HOUSES:

Memphis, Tenn. - Chattanooga, Tenn.
Minneapolis, Minn.

Write for Price List and Trade Prices.

MFRS. OF

CIRCULAR, BAND, CROSS-CUT AND HAND

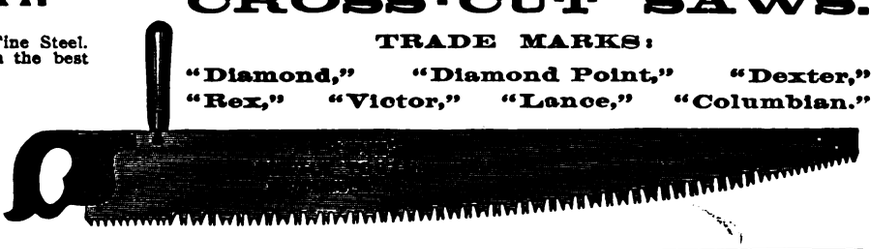
SAWS.

ATKINS' BRAND

CROSS-CUT SAWS.

TRADE MARKS:

"Diamond," "Diamond Point," "Dexter,"
"Rex," "Victor," "Lance," "Columbian."



The Matchless Mop Wringer Co.,

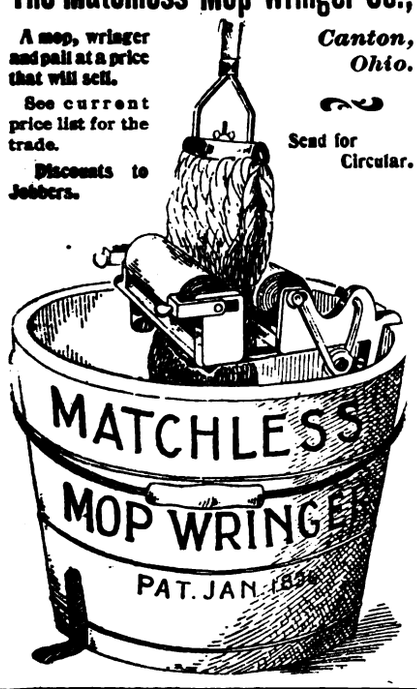
A mop, wringer and pail at a price that will sell.

See current price list for the trade.

Discounts to Jobbers.

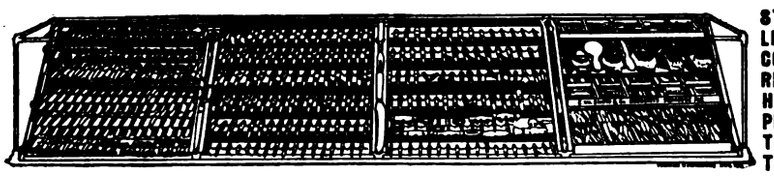
Canton, Ohio.

Send for Circular.



"DAILY FEEL THE BENEFIT."

Energy Mfg. Co., Philadelphia, Pa. [Dumbwaiters]: We daily feel the benefit of our card in your columns.



STILL IN THE LEAD, AND CONTINUE TO RECEIVE HIGHEST PRAISES THROUGHOUT THE WORLD.

All styles Show Cases and Trays. Also Trays made to fit your own Cases. Each Tray slides in and out. Brilliant display. Quick sales.

Campbell's Practical Sliding Display Trays, Pat. Dec. 1, '91.
Write us. Manufactured only by **CAMPBELL CUTLERY CO., Syracuse, N. Y., U. S. A.**

FRANK W. GILBERT, Prest. O. C. EDWARDS, Treas.

Crescent Emery Mills Co.

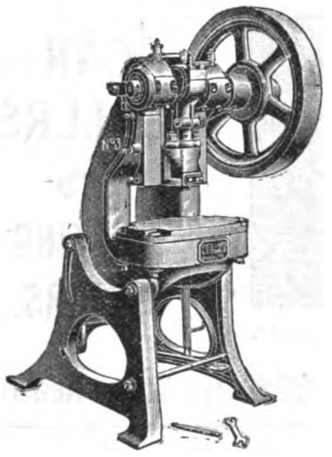
MANUFACTURERS OF

EMERY & ABRASIVE MATERIALS.

EMERY WHEELS.
GRINDING MACHINERY.

OSCAWANA, N. Y.

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VIEILLARD & OSSWALD,

Manufacturers of

PRESSES AND DIES AND SPECIAL MACHINERY

FOR THE WORKING OF SHEET METAL

Dies for Sheet Steel Stampings a Specialty.

708-710 Jamaica Avenue, BROOKLYN, N. Y., U. S. A.

WRITE FOR PRICES.

STOP



Did you ever see the like?

Seven men on one ladder—and it a small Step Ladder too—and it would carry as many more if they could get on it.

You know it keeps the old style Step Ladder busy to carry one good sized man or woman without breaking down; and they last but a year or two at best. . . . . .

This Step Ladder Will Carry All You Want to Put On It,

and will last a lifetime if you treat it half decent. . . . . .

There is but One Step Ladder made for mechanics, and

THIS IS THE ONE.

We manufacture

Single Ladders, Extension Ladders,
Single Bent Rung Step Ladders,

Which are all covered by patents.

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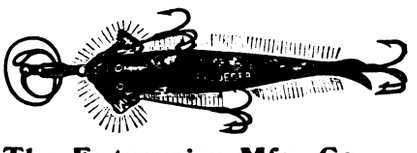
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WITH PFLUEGERS LUMINOUS BAIT

You catch fish, while with others you might. Made in every suitable size and pattern known to modern anglers for



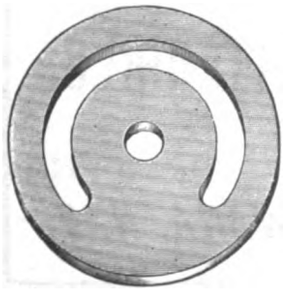
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Special Leather Washers.

Tubular Well Cups. Iron and Brass Cylinder Cups.
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Special Cups to Order.

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MANUFACTURERS OF

PLUMBERS' WASHERS AND SPECIALTIES.

"PRODUCTIVE OF RESULTS."

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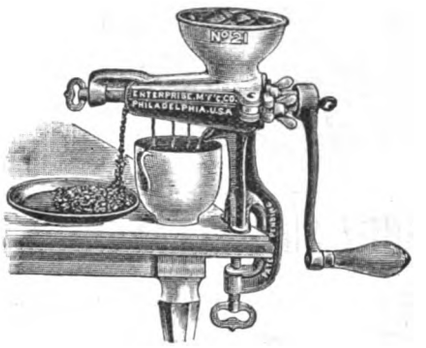
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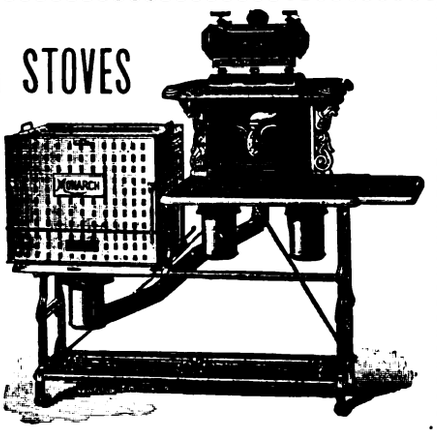
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For Hot Weather,
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Cheap Stoves,
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HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators.

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Special Machinery

Estimates made on all kinds of Special Machinery, Boiler Tube Expanders, bicycle Tire Moulds, Moulds for all kinds of Rubber Goods, Hangers, Shafting, Clay Working Machinery, etc. Write for Estimates. . . . . .



Lid and pan to suit completes the machine.

The Eynon Patent Mixer and Beater

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The Arcade File Works

Established 1842.

WEED'S IMPROVED CUT — GUARANTEE SEAL — ALL FILES ARE FULLY GUARANTEED — SPECIAL TEMPER

Improved Increment Cut

THE BEST IN THE WORLD.

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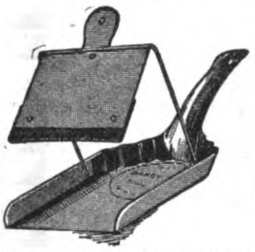
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Household Specialty.

A Sink Cleaner and Shovel Combined. . .

Tidy housekeepers will throw away the dirty sink broom and buy the Dandy Sink Cleaner on Sight. . . . . .

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

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SICKELS & NUTTING CO.,

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THIS IS A LINE

That every shrewd dealer sells and every wise rider uses.



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Is a graphite that melts, runs into the chain rivets and thus lubricates all points of friction.

Five-inch Tube Largest on the Market.



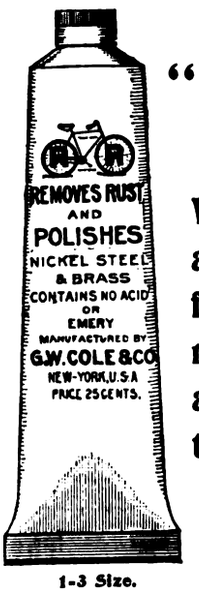
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Does Three Things

1. Cleans
2. Lubricates
3. Prevents Rust

And does each Perfectly.

CONTAINS NO ACID.



1-3 Size.

"R.R."

Will clean all rust from all metals and polish them.

GENERAL SELLING AGENTS:

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To Bicycle Riders.

WE MAKE OUR TUBE
OF FIFTY CARBON STEEL

Because a Tube like this of our .50% CARBON STEEL Is just as strong as a Tube like this of .25% CARBON STEEL

While weight for weight in a Bicycle our FIFTY CARBON Steel will last so long [redacted] and TWENTY-FIVE CARBON Steel will last only so long [redacted]

NOTE THE FULL IMPORT OF THE PARALLEL LINES.

The comparison which they graphically make indicates the result of the prolonged investigations of the most practical experts of the world.

That the tests in our own laboratory coroborate these results is merely so much to its credit; that the same is true of actual trial on the road equally proves the trial to have been made in bicycles of correct design and construction. THE FACT REMAINS.

The margin of safety is greatly increased by the use of this tube. Every bicycle manufacturer should use it; every dealer should insist on having it; every rider should demand it. Send for catalogue.

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MODERN CLIMAX. NEW STEEL RANGE.

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Taplin, Rice & Co., Mfrs., Akron, Ohio.

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. . . Manufactured by

Ames Mfg. Co.

HIGH AND MEDIUM GRADES,

$100, $85, $75, $60.

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AMES MFG. CO., Chicopee, Mass.



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SCREW CUTTING TOOLS
FOR
BICYCLE REPAIR WORK.

LACLEDE and HERCULES BATTERIES



For Door Bells, Telephones, and Annunciators.

WARRANTED stronger and longer lived than any other Sal-Amoniac Battery made. . . . . .

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ALSO MAKERS OF
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For Sale by all Jobbers.

Foreign Trade Supplied Direct or Through Exporters.

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"TOO VALUABLE TO BE WITHOUT."

Charles T. Mitchell, Baltimore, Md.: HARDWARE is too valuable to be without.

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Specialties to Manufacture.

We have a large, well equipped Factory and are always ready to estimate on manufacturing Specialties. . . . . .
We have excellent facilities for the production of

SHEET METAL NOVELTIES.

The Smith & Egge Mfg. Co.,

. . . DEPT. "A" **Bridgeport, Conn., U. S. A.**

TRADE MARK.



A. CHIPMAN, Treas.

GOULD'S STEAM & WATER PACKING

Never sticks the Throttle.
The Original Ring Packing.
In ordering give EXACT diameter of Stuffing Box and Valve Stem.
None genuine without this Trade Mark.
THE GOULD PACKING CO.,
EAST CAMBRIDGE, MASS.

STITCHED COTTON BELTING

FOR MACHINE DRIVING.



FOR THRESHER MACHINES.

Write for price list and discounts.

THE ROSSENDALE-REDDAWAY BELTING & HOSE CO., - NEWARK, N. J., U. S. A.
Manufacturers of all kinds of Belting and Linen Fire Hose.

Dumb Waiters..... that don't keep you waiting.
Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.
THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

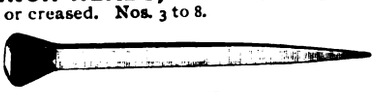
PATENT DUST-PROOF **METAL CEILINGS.**
S. KEIGHLEY & CO., only Mfrs. 49-53 Locust St., Pittsburg, Pa.

PATENT INTERLOCKING DUST-PROOF JOINT.
Best construction. Being adopted by all architects. Easily and cheaply applied. Costs no more than the old-fashioned lap joint. **Send for Catalogue.**

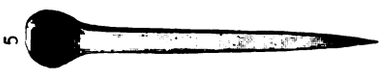
TURF NAILS, Nos. 1 to 5.



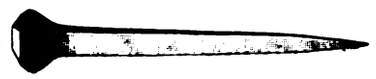
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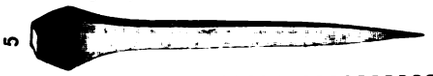
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COUNTER HEADS or **FROST NAILS,** Nos. 5 to 9.



PUTNAM NAIL COMPANY

NEW DEPARTURE.

In consequence of the action of the National Hardware Association, we now propose to sell direct to the general jobbers of the country. . . . . .
All restrictions have been removed as to quotations to be made by the trade from ocean to ocean. . . .
The high quality of the Putnam Nail makes it an easier seller at an advanced price over nails made by rolling and shearing. . . . . .
In case local dealer does not handle our goods, address

The Putnam Nail Co., Neponset, Boston, Mass.

235 Lake St., Chicago, Ill.
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HARDWARE

VOL. XV. JULY 25, 1897. NO. 8.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade. Published the 10th and 25th of each month, by the HARDWARE PUBLISHING CO., No. 148 CHAMBERS ST., NEW YORK.

BRANCH OFFICES: CHICAGO, - - - - - ASHLAND BLOCK.
BOSTON, - - No. 33 EQUITABLE BUILDING.
CINCINNATI, No. 103 LINCOLN INN COURT BLDG.

Subscription, $1.00 per year. Subscription, Foreign, $1.50 per year.

JAMES H. KENNEDY, - Editor and Manager.
HENRY HOPKINS, - - Associate Editor.
FRANK REIFSNIDER, - Western Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted to the Hardware Trade.

Editorial Trade Review.

After contact with the school of severe experience through which the Hardware trade has passed in recent years, it need excite no wonder that the temperament of the average buyer is anything but a speculative one. The fact that prices are the lowest known, in many branches of the trade, and sufficiently irregular, hazards the belief that quotations might be shaded for a desirable stock order. Still, the trade prefers to take no chances, and will wait until some of the uncertainties now prevalent are dissipated; the unsettled tariff agitation forming one of them, and promising prognostications of future crops indicating another, before they can screw their courage to the sticking point on the matter of stock orders.

The prevailing lack of confidence, however, which until this year has been too pronounced to be argued down, is now disappearing like dew before the rising sun. Encouraging news on every hand producing a spirit of hopefulness worthy of cultivation, may well be called the dominant factor in the present situation of affairs.

The reports of the improved conditions prevailing among the Western farmers which has enabled them so largely to pay off existing mortgages, more than anything else, point to a future that will create an epoch in the history of the country and bring to an end a period of depression that will ever be memorable.

When the farmers know a prosperity founded on large crops and good prices, the effect permeates the entire body politic, and is visible in its results in so many directions that the dawn of prosperity is readily traceable; store accounts, long standing, are settled up; new machinery ordered, making an extended area of cultivation possible; railroad earnings are increased; the surplus money gravitates to the centres, where even at low rates of interest some use can be made of it; manufacturing interests are stimulated, and in every part of the world where our cereals find an abiding place, the products of our looms and forges go hand in hand, seeking new fields for development, new footholds to maintain.

We have ample capital for almost any rate of expansion that may be possible, but within our own boundaries we have opportunities enough to use every dollar of our resources, as soon as the old timidity departs from the hands that hold the money bags, and fills the safe deposit vaults with negotiable securities.

What Fools These Mortals Be.

The various labor troubles which are the causes of industrial distubance in many places, frequently result in driving away many established and well organized plants from the cities that for years have been nourished by their growth. Conditions sometimes prevail in consequence of local sympathizers who are unfamiliar with the fundamental principles underlying mechanical progress, being the instigators of the disturbance. Many of these towns are practically dependent upon the established industries thus jeopardized, and until the works are closed down for good, the befooled workmen fail to realize the extent of damage created by their unjustifiable proceedings.

A recent case of this description is the departure from Paterson, N. J., of the old-established file works of Kearney & Foot Co.; the operatives of which, numbering 500, have for the last three months been on strike demanding "six day's work a week at full rates," after having agreed to accept a reduction of ten per cent., made in order to give them six days' work a week instead of four. In consequence of the long continuance of these unsettled conditions the Kearney & Foot Co. have been compelled to purchase an extensive plant situated in Kent, Ohio, and having already forwarded from Paterson enough machinery to place 250 operatives to work, will be in running order early in September, and may say good bye to Paterson.

They will take with them only the heads of the several departments, and a few of the workmen who were compelled to join the strikers contrary to their wishes; from a long list of skilled workmen now in their hands, they will recruit an extra force when required, giving precedence where possible to such old hands as were friendly to their interests throughout the present trouble.

The sympathies of the intelligent observers in the trade, are with the Kearney & Foot Co. in the move which they have been compelled to make. They have been located in Paterson twenty-five years, and among their 500 employees ninety per cent. of them were educated by them in every essential requirement in the work they have now suspended the operation of; as in all large factories the old hands have been misled and misguided by a few aggressive shouters with a record for disorganizing influences and who are never satisfied to leave well enough alone.

The Kearney & Foot Co. have always ranked among

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those fair-minded manufacturers who when compelled by stress of circumstances or conditions of trade, to ask concessions from their men as to prices of labor, have always without solicitation, restored the old rates as soon as business justified their doing so; firmly believing the best interests of a manufactnrer is in having his workmen possess a contented and happy frame of mind, believing that the interests of both employer and workman cannot be otherwise than identical.

The foundation of this strike which has lasted three months, was of this character: About two months prior to the strike, the works were running on four days' time; it was proposed and accepted by the men, that if they would agree to a cut of ten per cent. in the prices then being paid, a gain in time would at once be made, running six days a week instead of four; agreeing that if the factory should be compelled to return to four days' work again, full pay would follow for the more limited employment. With the statement that "business was good and they wanted full pay as well as full time," the men decided to strike; notwithstanding the fact that there was not a file factory in the country running except on reduced time, and one had been shut down entirely for over six months. As business conditions didn't warrant it, the company could not concede the demand, and this precipitated the strike.

Had the local authorities of Paterson done their full duty and furnished protection to the hands who were willing to work, as against the riotous mob of artisans from other industries, the works in Paterson would not have been thus partially abandoned by the company. After having built their own works at Riverside, N. J., including their own sewer to the river, they had also supplied themselves with artesian wells and built their own roads, putting in hydrants and placing the factory in shape to receive the benefits of insurance which such advantages entitled them to. All they asked from Paterson in return for $25,000 taxes they had paid, was proper protection for their men from lawlessness and intimidation by strikers. This protection Paterson was either unwilling or unable to furnish, and a long period of idleness has been the result. It would seem as though this was but the beginning of the end, and that unless the municipal authorities awaken to the necessities of the hour, other factories than the one commented upon, will be compelled to seek "green fields and pastures new" where such unprofitable conditions cannot prevail.

An Unqualified Endorsement.

The efforts being made by the newly-organized Merchants' Association of New York are rapidly demonstrating their successful character. The city of New York has for years stood still while every means has been taken by other mercantile centres to pull trade away from us under one pretext or another, until finally the idea has become prominent in the minds of many buyers, that there was no urgent necessity of frequently visiting our metropolitan markets, filled as they are with all the known products of the art centres of Europe, and the industrial resources of noted foreign countries possessing almost unlimited facilities for their production.

Many new buyers will be attracted to our city from all over the country, the reduced rates made possible by the labors of the Merchants' Association assisting in no small degree to provide a stimulus.

The fact of an interest being taken by all classes of trade through this concert of action to extend a welcome to the ambitious merchants of other localities, will produce a more home-like feeling among our visitors, many of whom will be accompanied by some of their families, who have long anticipated a trip of this kind, combining business and pleasure. Hotels and public conveyances will feel the beneficial influence of this seasonable addition to our population.

To the old merchants who are still "in harness," it will seem again like the congenial days of the past, when in the spring and fall seasons our streets were congested by the strange faces of buyers and their kindred, during the six or eight weeks usually devoted according to locality, to the purchase of such stocks of goods as were needed in every hamlet throughout the States.

Let the good work go on, and in the genuine revival of business of every kind which is now visibly in progress, we shall be able to lay the foundation of good work for the future, already made evident in the 7000 members which the Merchants' Association have placed upon their records within a single month of their incorporation.

New Members Hardware Club.

At a meeting of the Board of Governors of the Hardware Club of New York, held on July 20th, the following gentlemen were unanimously elected to membership:

A. C. Morrison, Chambers and Pearl Streets.

W. B. Fox, Jr., No. 97 Chambers Street.

George F. Trowbridge, No. 35 South William Street.

William F. Molloy, No. 19 Murray Street.

Merrill Watson, Central Expanded Metal Co., No. 256 Broadway.

Gordon W. Burnham, Benedict & Burnham, No. 253 Broadway.

George L. Storm, No. 21 Murray Street.

B. W. Gage, No. 280 Broadway.

Ross M. Turner, vice-president United States Export Association, No. 143 Chambers Street.

Charles H. Storm, Chicago, Ill.

A New Field Open.

The National Cash Register Co., Dayton, Ohio, have just added some improvements to their No. 79 cash registers, which make them available in stores where it is sometimes necessary to register single transactions amounting to more than $100. The registering capacity of these machines have been increased from $99.99 to $999.99, while at the same time it is possible to keep a separate account of the sales in the different departments of the store or to keep separate the sales of each clerk in the store. This should open a new field for the use of cash registers.

The Secretary's Hat.

The session was of an informal nature and was devoted to Secretary Fernley, exclusively. He requested all of those present to deposit written questions which they would like to have answered, in a hat, and then answered each as he came to them.—REPORT OF IOWA HARDWARE JOBBERS' ASSOCIATION.

Did the Hardwaremen of Iowa
  Surmise where they were at,
When the genial secretary talked to them
  Through the lining of that hat?

Not every man there is, whose words
  Come out so true and pat;
For few there are who have learned the art
  Of talking through a hat.

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After Studying the Foreign Markets.

At an informal dinner given in his honor July 12, at the Queen City Club, of Cincinnati, Ohio, Charles Davis, president of the Davis & Egan Machine Tool Co., in the course of an address made use of the following interesting illustrations having reference to a recent trip in Europe from which he has just returned.

Referring to the prevalence everywhere of the products of American skill, he said: "It may not be generally known that the Belgian state locomotives are equipped with lubricators made on Spring Grove Avenue, Cincinnati, and brass goods made here are in evidence in all parts of Europe. Pumps, desks, veneers and many other similar products are exported largely. Cincinnati iron, steel and woodworking machinery is employed in all the great ship yards and gun works of Europe, and is now running day and night in Russia turning out locomotives and cars that will soon be flying across the steppes of Siberia to the Pacific Ocean and down through Manchuria to the Yellow Sea."

His views on tariff restrictions have been broadened by foreign travel: "A high tariff fosters fictitious prices and false ideas of value.

"A thing is worth only what it will bring in the open markets of the world. You cannot fly in the face of the great law of supply and demand. Your marking up of tariffs will be of no more permanent value than the action of the Irishman who said he had made $3000 in one day by marking up all the goods in his store.

"There is now a rumble and muttering of discontent in Europe at the raising of our tariff, and unless we have a care the growing trade in the United States will there be shut off by retaliation.

"In France the duty on American machinery is 50 per cent. greater on one class, 25 per cent. on another, and 15 per cent. upon another, than the same machine coming from England, or even from her hated rival, Germany. Hardware and other iron products are also higher. This was retaliation as against the increased tariff act on French products in our tariff act of 1890.

"Austria, Germany and other countries are contemplating similar action."

In this connection he frankly confesses: "I remember in former times when I used to stay at home all the time, and thought I knew it all. I used to talk much about a tariff as a protection to American labor. The only protection to the American workingman is his brains and intelligence—nothing more or less. American superintendents, foremen and workmen are all through Europe getting 50 per cent. more than they received here. You cannot legislate brains into a man or out of him.

"We are sending a couple of men from our works next week who will receive in Germany as a starter $24 per week as against $15 here.

"The people of the United States will never learn the industrial situation of Europe by rushing up the Alps and down the Rhine. The only way is to dig right down into the locomotive works, gun works and machine shops.

"Watch the men at their work, get the expression of their eyes, that have been called 'the windows of the soul.' You will see them dull and listless. The workman looks through the glass door at the end of the shop and sees probably the proprietor; there only because he is the son of his father.

"He says to himself, 'It is almost impossible that I can ever be in there.' Then despair siezes upon his heart and he plods on, like the galley slave, chained to his task.

"Not so with the workman in the United States. He looks through the glass door at the end of the shop and sees the proprietor there busy with his plans. He says: 'Very well, my friend, it was only a short time back that you were out here in the shop where I am now. Some day I will be where you are.' Then the star of hope rises high in his sight. He puts his lathe on a faster speed and the chips fly. The proprietor, seeing his work, makes him a foreman, then superintendent, and then a partner.

"A man like this needs no protection. Like Monte Cristo, 'The world is his.'"

He concluded an extremely interesting address with the following prediction: "Gentlemen, if the manufacturers of the United States will exert the energy that is latent in them, and Congress re-enforce our efforts with wise and beneficent laws, I predict that in a few short years we will, in a commercial sense, overrun Europe as, in a warlike sense, did the Goths and Visigoths of olden time."

Some Up-To-Date Topics.

The heated term is not prolific of live features even in the best of times, and an off-year is no exception. This is an off-year, and is so characterized by the trade. In other words, it marks the end of a memorable depression, and the hour before dawn is always darkest.

The passage of the new tariff law will at once alter conditions. We have had the same experience before. Our manufacturers and mill owners are simply awaiting the issue of the new tariff. They have promised us that they will operate their plants to the fullest possible capacity as soon as the tariff is out of the way, and we may expect they will do it. With this move activity will become general and prosperity be once more in the land. Travelers are awaiting this move. They will not rush headlong into the fray as they did last November; they will not travel in advance of prosperity, but with it. By doing this they will avoid the rush which will, no doubt, set in this fall. And by avoiding crowding the buyers they will also avoid being disappointed. Slow haste will be the watchword.

It is feared in some quarters the coal strike will delay autumnal movements. This is borrowing trouble. Had the strike eventuated a month later, serious contingencies would have arisen, but by the time the fall season is ready for exploit, the strike will have ended. This is the opinion of the best informed men who are nearest the seat of the trouble. The strike occurring at this juncture may be considered a blessing in many ways. It will tend to clear up the market and foster better prices all round. Vesselmen will be the ultimate beneficiaries, and a busy, profitable navigation season means a great deal to all the lake ports. The iron and Hardware interests will be more directly benefited than the other industries, and we may therefore look for brisk fall movements at all the important lake ports, late though they might be.

The wholesale trade are not at all disappointed at the developments for the first half-year. The volume has been ordinarily good, and collections were no worse than in other off-years. In fact, they were better, for the trade is now on better cash-paying basis than ever before, a more cautious credit system having weeded out the irresponsible element. As was generally expected, July wound up with the cycle trade thoroughly demoralized, but even the low cash prices which are now realized entail a fair profit and save the trade from disintegration. These price-cutting features will not recur when the market has returned to normal conditions.

This may be properly termed the season's bargain interim, and old custom seems to have perpetuated it among our merchants. Whenever a season is winding up, closing-out or stock-reducing prices will prevail. So when our merchants are now offering summer specialties at reduced prices, it is no index that times are hard, or harder than at previous seasons. The public has come to expect lower prices at this period, and a fool the merchant would be who

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would leave his competitors enjoy undisputed the rare opportunity of "cleaning up."

While the building season should be at its height now, it is just commencing. This is all-evident. The delay was due to the same causes that retarded other enterprises. The dealers tell me that the building season will be in full bloom within sixty days. They have the proofs in hand. And as the beginning of winter is no longer the terminus of the building season, thanks to the evolution of modern architecture, large movements in builders' and plumbers' Hardware and structural iron may be looked for during the latter part of the year. J. B. RINDFLEISCH.

Morgan & Wright Single-Tube Tire.

Morgan & Wright, of Chicago, have just issued a neat leaflet giving a section of their famous tire for bicycles, in which they announce that they are now prepared to furnish single-tube quick-repair tires. In regard to its special points of interest, the company say: "By new and improved methods, we are making and are now ready to place upon the market a single tube tire free from porousness, which we believe will meet the approval of our friends. Its advantages are as follows: Has quick-repair patch, which is far easier to use, more certain than plugs; does not deface or weaken casing, and at same time permits the use of any single-tube outfit on the market. Vulcanizing large holes in casing is made easy by the ability to slit the casing next the rim down to tube, open up and insert patching stock, patch tube, and lace casing, thus making a double-tube repair on a single-tube tire. The valve is attached to a cemented base, which can be reached through lacing, and can be repaired quickly and certainly. The chronic leaks shown in other single-tubes are entirely prevented by our system of manufacture. The manufacture of this tire will in no way interfere with our regular double-tube tire, which permits of a wider range of repairs than is possible in any single-tube construction. This tire is made under M. & W. patents and sold under the old Morgan & Wright guarantee, which has stood unchanged from the beginning of our tire busines."

The Interlocking Rubber Tiling.

At the suggestion of Frank Furness, the well-known architect of Philadelphia, an extremely valuable series of tests has been carried out to determine the relative durability of various flooring materials. The experiments were undertaken on May 15th by William Gray & Sons, who are the largest contractors for stone work in Philadelphia, and they were made under the supervision of Mr. William J. Gray, who has given his affidavit as to the accuracy of the results as herewith published.

In carrying out the tests the specimens were cemented to identical blocks of sandstone, each of which weighed 21 pounds. The samples presented a surface 6 inches square, and the thickness of each sample was the same as that commonly used in the various floorings. Thus the interlocking rubber tile specimen was three-eighths of an inch thick, the No. 1 Vermont marble was 1 inch thick, the Oregon pine 2¼ inches thick, and so on.

The samples were all placed face downward upon a horizontal iron rubbing wheel 10 feet in diameter, which was run for a space of one hour at a speed of 75 revolutions per minute. A suitable frame held the blocks loosely in place and prevented them from rotating with the wheel, care being taken to let the full weight of the blocks bear upon the wheel. The face of the wheel was freely supplied during the test with the best sharp rubbing sand and water.

By far the best showing was that made by the interlocking rubber tile, which only lost one-sixty-fourth of an inch as the result of an hour's grinding. On the other hand, the marble mosaic collapsed altogether, the 1 inch strip being rubbed entirely away within fifteen minutes under a pressure of a little over half a pound to the square inch. The whole slab disappeared in thirty-five minutes under the same pressure.

Next to the rubber, the English earthen tile showed the best results, losing only one-eighth of an inch in thickness; and of the stones, the granolithic made the best showing, losing three-eighths of an inch, flagstone coming next, with nine-sixteenths of an inch wear. The marbles wore away very fast, No. 1 Vermont marble losing three-fourths of an inch. Their average resistance, indeed, was not so high as that of the woods.

One of the most curious results is shown in the action of the woods, where teak lost nearly double as much as the softer white pine, the wear being respectively thirteen-sixteenths and seven-sixteenths of an inch. Yellow pine showed the same wear as white pine, and the oak specimen lost the same amount as its great rival, Oregon pine, which was reduced by five-eighths of an inch.

The interlocking rubber tiling is manufactured by the New York Belting & Packing Co., Limited, No. 25 Park Place, New York City. See their advertisement on page 35 of this issue.

Death of Charles J. Lawson.

Charles J. Lawson, ex-mayor of Newburgh, N. Y., and the leading Hardware merchant of that city, died suddenly at his home, on Grand Street, Sunday, 18th inst. He had a slight hemorrhage, which seemed to affect him very much, and feeling his wrists, which had seemingly grown very cold, said: "I think my time has come," then lay back in his chair and expired at once. He was in his 55th year, and leaves a widow and two sons.

Mr. Lawson was the son of James T. Lawson, one of the old residents of Newburgh, and, upon his father's death, inherited considerable property, succeeding about 1865, to the Hardware business established by James S. Brown.

Mr. Lawson has always been a successful merchant, progressive in every sense of the word, of incorruptible probity and extreme conscientiousness. Possessed of a sympathetic nature, his heart was always open to appeals of the unfortunate, and many a heart in Newburgh has been made lighter by the charitable assistance of one who rarely let his right hand know what his left hand did in this respect.

Mr. Lawson has always been prominent in the affairs of the city. In addition to occupying for two years the highest municipal office in the gift of the people, he was one of the original members of the Board of Trade, was for many years president of the Almshouse Board, and at the time of his death he was a member of the Public Park Board and of the Board of Education. He was also prominent in the Masonic fraternity and in the Fire Department, being a member of Lawson Hose, named for his uncle. He was vice-president of the Newburg National Bank, and treasurer of the Newburgh Building & Loan Association. He was a member of the First Baptist Church and held the offices of trustee, treasurer, and superintendent of the Sunday school. He was also trustee and treasurer of the Hudson River Baptist Association, and treasurer of the Domestic Missionary Board of that association.

The Saratoga Gas, Electric Light & Power Co., Saratoga, N. Y., are rebuilding and rearranging their gas plant, and have let the contract for the steel work connected with the generator house roof and the roof over their cold storage building, to the Berlin Iron Bridge Co., East Berlin, Conn. The roofs have steel trusses covered with corrugated iron.

HARDWARE'S "Prices Current" are reliable.

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An Advertising Novelty.

The Buhl Stamping Co., Detroit, Mich., among the advertising novelties which they are distributing this season, have a little booklet catalogue covering a line of their popular Rustless Milk Cans, with price lists and other information, the whole publication being in the form of a milk can of their make and of the size shown in the illustration herewith, which forms the front cover. As the covers are finished in silver bronze and the lettering is in white and blue, it makes a very pleasing and novel appearance, and prevents to a great degree the failure to preserve valuable information when printed in a miniature form.

The pages within this characteristic cover call attention to the merits of the Victor Milk Can made from cold rolled steel and containing in its construction the unmovable outside wrought iron protecting hoop which enables it to withstand the rough usage which is the customary fate of all milk cans. They also illustrate their Western (or Chicago) pattern, and Eastern (or New York) pattern, describ-



ing at the same time their "Elgin" and "Detroit" patterns of similar design but varying in some minor particulars. This entire novelty in the way of a booklet-catalogue, was printed in Spanish during the visit of the "Pan American" delegates from South America, and included in its contents their leading lanterns. The publication excited considerable favorable comment, and at the same time was made the subject of complimentary allusion to the progressiveness of this enterprising company.

Strathmore Deckel-Edged Papers.

The Mittineague Paper Co., Mittineague, Mass., are sending to those interested in fine writing, book and cover papers, samples of their new hand finished deckel-edged product which in other styles, and under their trade mark of "Strathmore," have already achieved an enviable position in the paper world. Those in the Hardware trade contemplating the publication of artistic booklets, or high grade progressive advertising matter, will thank us for advising them to send to above address for a set of their handsome samples.

Some Hints.

Always aim for the top rung; although you may never reach it, you will be pretty sure to find yourself farther from the bottom round for having made the attempt.

Don't find fault when you are given a difficult piece of work to do. The woods are full of people who can do the easy things. Try to lift yourself above the average.

Never attempt to give your employer advice uncalled for; he knows his own business best; but when you are consulted by him, tell what you think will be the best. If he don't abide by your decision, he will know your capabilities the better.

Should any one speak in a kindly way to you of any bad habit you may possess, don't get angry, but bear in mind they do it for your own good and personally have no financial interest in it.

Whenever the opportunity comes that you are asked to do something that is not necessarily required in your line, do it without grumbling and to the best of your ability, for you never know what the future has in store for you, and if you don't take advantage of your opportunities, small though some may seem, your life to some extent will be a failure.

In general, don't look for an easy time; the man who does, usually has a hard time trying to find it, and eventually wakes up to find out that the world owes him a living after he has earned it. W. A. M.

Annual Meeting Bissell Carpet Sweeper Co.

At the annual meeting of the Bissell Carpet Sweeper Co., held at their general office, Grand Rapids, Mich., on July 15th, the following directors were duly elected to serve for the ensuing year: Mrs. M. R. Bissell, Charles B. Judd, Maurice Shanahan, W. J. Drew, Robert E. Shanahan, Henry Idema, T. W. Williams.

At the same meeting, the following officers were duly elected to serve for the ensuing year: President, Mrs. M. R. Bissell; first vice-president, secretary and general manager, Chas. B. Judd; treasurer, Maurice Shanahan; second vice-president and Eastern manager, T. W. Williams; assistant secretary, Robert E. Shanahan.

A reduction in prices on all high grade sweepers was decided upon. Full particulars of the same will be announced to the trade by circular letter.

The Bissell Co. have under way several new and important features in mechanical construction that will be brought out during the coming feason, and which doubtless will be highly appreciated by the trade generally. This progressive concern is very much alive to the wants of buyers of carpet sweepers and the outlook for an increased demand in Bissell sweepers for the coming season seems very apparent.

The Oldest Plowmaker.

Chicago has the oldest plowmaker in the United States. His name is David Bradley, and he is at the head of a big manufacturing company on the West Side. Mr. Bradley first worked at the business in Syracuse, N. Y., in 1832. In 1835 he came to Chicago, which then numbered about 2500 inhabitants and a camp of several thousand Indians, to help erect the first iron foundry established here. Mr. Bradley was the first man to bring pig-iron into Chicago. In connection with the foundry which he helped to build was a machine shop, and the establishment soon began along with its other business the manufacture of plows. Mr. Bradley by the growth of his business was finally forced to build a little town of his own, which is known as Bradley, Ill. Mr. Bradley has passed his 85th birthday, but is still hale and hearty, and thoroughly enjoys the prosperity which hard work has brought him. The active business has been surrendered to his sons.—*Chicago Tribune.*

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THE MICHIGAN HARDWARE ASSOCIATION.

The second annual convention of the Michigan Hardware Association was held in Battle Creek, on Wednesday and Thursday, July 14th and 15th, and was a success in every sense of the word.

A call of the roll showed the presence of the following members of the Association: Henry C. Weber, Detroit; C. F. Bock, L. B. Brockett. Frank M. Brockett, V. C. Wattels, G. A. DuBois, Battle Creek; H. C. Minnie, Eaton Rapids; John Popp, V. E. Widemann, G. W. Bruske, J. M. Morley, Saginaw; W. J. Boyce, J. B. Sperry, Port Huron; A. K. Edwards, C. M. Chamberlin, Fred W. Zimmerman, Kalamazoo; O. H. Gale, Albion; H. W. Webber, Geo. L. Mosher, West Bay City; C. E. Park, Flushing; Geo. Vernier, Jr., Mendota; H. C. Waters, Paw Paw; G. A. Kanter, Holland; H. C. French, Cassopolis; J. S. Cappen, J. G. Standart, J. M. Thurber, Casper Gnau, Detroit; H. P. Everett, Stockbridge.

The first session was held at 2 P.M., on Wednesday, and was called to order by President H. C. Webber. A prayer was offered by Rev. Lewis Brown, of Battle Creek, after which Charles F. Bock, vice-president, introduced Mayor Metcalf, who in a brief and appropriate speech, welcomed the convention to his home city.

President Webber next delivered an appropriate address of welcome, in the course of which he said:

THE PRESIDENT'S ADDRESS.

I have the honor of welcoming you to our second annual convention, which, judging from past experience, has been anticipated with considerable pleasure, not only from a business point of view, but a social one as well. Although the Michigan Hardware Association was organized only two years ago with a comparatively small membership, it has already demonstrated its value as a factor in developing and extending our mutual interests, as well as those of the Hardware business generally throughout the State.

Among other advantageous features which might be enumerated I would specify the following:

1. Its membership, with the exception of your humble servant, represents the best element in the Hardware business of this State.

2. It has resulted in bringing together men who have grown gray in the Hardware business, and who have, perhaps, never met hitherto in a social and business way, and the bonds of friendship thus established are likely to prove a source of satisfaction to all.

3. The exchange of business views and discussions pertaining to timely topics cannot fail in giving us all some new thoughts for careful consideration, which cannot result otherwise than mutually beneficial.

The past year was a very trying one to business men generally, not only on account of the far reaching effects of the national election, but the prevalence of the commercial depression which preceded it, and which was intensified during the latter portion of 1896. It may be an easy matter for some to assign certain reasons why business was dull, or has been dull, but it requires all the ingenuity of a merchant to successfully cope with a condition of business affairs such as we have all experienced to a greater or less extent. Undoubtedly we can learn, if we will, many useful lessons from the current course of events which ought to prove of value to us in directing our affairs in the future. I am now convinced, however, that future prospects are more favorable, and I think we can reasonably expect in the not distant future, a resumption of business activity similar to that enjoyed prior to 1893.

In reviewing our standing with our fellow Hardwaremen who have been approached as to going in with us, I have met many of our best and largest dealers, and they are awakening to the fact that we are a representative body, and I have no doubt most of them will join us and lend us their assistance in the future. What member is there among us who, after reviewing the work accomplished during the past year, is not imbued with a feeling of gratification and appreciation of our worthy organizer and the first president, Mr. Carleton? I know you all realize, as I do, the great pleasure of meeting business men who are identified with practically the same commercial interests, and by our mutual exchange of ideas we are all certainly benefitted. The consideration of topics and the decisions arrived at by such an organization as ours must prove more efficacious than any individual effort. In what other way than by organization can we accomplish what we are doing and enjoy the pleasure of social and business intercourse?

I regret to announce the loss of one of our very active members, Mr. Moye, of Marquette, who is in business in another State. May success follow him. We are also disappointed in not having the wise counsel of another of our members, Mr. Harvey, who, on account of ill health, has gone to Germany to take the Carlsbad baths. May his journey be a pleasant one, and we hope to have him back with us again enjoying good health.

Gentlemen, I thank you for your kind, patient attention. It is a pleasure for me to mingle with honorable business men in convention such as this, where the united purpose is the individual welfare of each. Long may this bond of unity prevail, and as the years go by may it increase until it embrace every reputable Hardware merchant in the State.

THE SECRETARY'S REPORT.

H. C. Minnie, secretary of the Association, then presented his report for the past year. This showed that there were now one hundred active members and one hundred honorary members. He also spoke of the work of the Association in other respects, with special reference to the new Lien Law, which had become a law in Michigan during the past year.

The first paper of the gathering was read by J. B. Sperry, of Port Huron, upon the subject "The Best Method of Creating and Maintaining Harmony Between Manufacterers, Jobbers and Retailers." Mr. Sperry touched upon the question of personal acquaintance, divided trade, the cutting of prices, back orders, substitution, prompt payments. etc. In the course of his remarks he said:

In making claims, we are quite apt to exaggerate the circumstances, thinking it is necessary in order to get our just dues. This has been done so often that the jobber and the manufacturer have to a certain extent lost confidence in the retailer. When differences arise why cannot the jobber or manufacturer give the traveling salesman authority to adjust these differences? This has been brought up in one of our previous meetings. Some have claimed that the traveling salesman has enough to do to sell the goods without collecting accounts or adjusting claims. This may be true, but the traveling man should be in closer touch with the retailer than is the former, thereby settling more satisfactorily than it could be done by a cold typewritten letter from some unknown clerk at the office, and if he is not in closer touch he had better get off the road and give his position to some one who

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will make friends with those with whom he comes in personal contact.

I am of the opinion that if the traveling man were allowed to adjust claims and settle differences he would many times be met with a more friendly hand shake, little differences would be adjusted, and the traveling man before he left the retailer would have been able to not only adjust the old differences, but to sell him a new bill of goods as well. If he is a competent man he will not deviate from his judgment in settling any more than he would in selling a bill of goods. Of course we very often come across some of those everlasting kickers, who are always entering large and unreasonable claims. It would seem to us that when the house comes in contact with such a person it would be better to drop him at once. After he has been dropped by two or three houses he will see the folly of his stubborness, and will made some one a good, agreeable and profitable customer. Houses are sending out competent salesmen, and I think they should have anthority to represent their house.

A discussion followed, in which a number of the members participated.

The session directed by formal vote that its thanks should be tendered T. A. Harvey. of Saginaw, and Senator W. L. Holmes, for their efforts in securing the passage of the Lien Law referred to above. After the adjournment of the session, the local entertainment committee tendered their guests a trolley ride to the Battle Creek Sanitarium, which was thoroughly inspected, after which a banquet was enjoyed in the main dining-room. Addresses were made by Mayor Metcalf and others.

DEPARTMENT STORES.

The evening session of Wednesday was opened with the reading of a paper by A. K. Edwards, of Kalamazoo, "Is the Department Store a Benefit or Detriment to the General Public?" Among other things, Mr. Edwards said:

To the question, "Is the Department Store a Benefit or a Detriment to the General Public?" we, unquestionably, all have an answer that fits our individual case. Our several individual opinions would naturally be biased by the influence this class of business has upon our several individual pocket books. Those of us having direct and active home competition will naturally have the strongest opinions upon this subject. As I understand the subject chosen it requires me to rise, if possible, beyond or above this prejudice as an individual. It applies not to you or to me alone, but to the general public. My opinion, which I have endeavored to form as unbiased from personal prejudice as possible, is that the department store is a detriment to the general public.

For the purpose of brevity only, in this article I shall sometimes refer to the department store as it. I might name it as the Lansing man did his horse, an "iser." When asked for his reason for giving it this name, he said: "He isn't a 'has been' or a 'going to be;' he is an 'iser.'" Many of our members undoubtedly think, with me, that the department store is an iser. What we all want is that it should be a "*has been.*" One reason why it appears to be a detriment to the general public is that it creates distrust of the merchant in the mind of his customers. Distrust is lack of confidence, and what a serious thing laek of confidence is we all know, as the politicians and wiseacres tell us that this is the disease the business of this country has been suffering from for the past four years. May the patient entirely recover and never have a relapse, is the earnest prayer of every business man, and anything which tends to retard the patient from a speedy recovery is certainly a detriment to the general public.

It causes his customer, who possibly is his personal friend, to believe he has been and will be charged unfair and extortionate prices for all goods that he has sold him or will sell him. This conclusion is naturally reached by the customer after reading the advertisements of the department store—advertisements written, not by a member of the concern or an employee who is familiar with the goods he buys or sells, but by a person who is hired for the express and only purpose of writing ads.. having a semblance of truth, if possible, but mainly to catch the customer's eye. Prices named in this advertisement are usually for a special day or a special hour, and were the goods as represented would generally be great bargains. It is only necessary to follow up a few of these advertisements to be convinced of their deceitfulness. For instance, a large department store, in one of our nearby cities, advertised on a certain day sugar in the grocery department at an extremely low price, a price that meant a positive loss to them on every pound sold. Now this grocery department was a large store of itself, and the supposition was that anybody and everybody who wanted sugar could buy what they wanted by going to the store during the time of the advertised sale, if they had the money to pay for their wants.

The result was quite different. In the grocery department, on this day, while they had a large number of clerks, sugar was sold by one only, a boy, who, evidently following instructions, worked very slow, always had a great deal of trouble to exactly balance his scales, and when finally his package was weighed and tied up he would pay no attention to the next customer until the first had paid his bill, often being obliged to wait some time before the change would be returned from the office. When the barrel from which he was selling was empty he would have to get another himself, no porter, mind you, waiting upon him this day. The result was that the two flights of stairs leading to this department were soon packed, and probably not one person in fifty that tried to buy sugar that day succeeded. What were the results gained from this advertisement?

A general discussion ensued, the conclusion of which was that the local dealers should work together, and meet the Department Store prices.

An interesting paper, prepared by Edwin D. Warner, of Jackson, was next read on "The Most Systematic and Simplified Form of Conducting our Day's Sales, to avoid oversights in making Charges, Credits, etc." In the absence of the author, this was read by the President.

A paper on "Bicycles" was read by H. W. Webber, of West Bay City.

At the session on Thursday morning, after considerable discussion, the following amendments to the by-laws of the Association were adopted:

ARTICLE 13.

Any manufacturer or jobber soliciting orders or selling goods in any town or city where a member of the Michigan Hardware Dealers' Association is located and doing business, except it be to an exclusive Hardware dealer in such town or city, shall be considered as working against the interests of said association, provided that nothing in this article shall be so construed as to prevent manufacturers or jobbers from selling to manufacturers in any town or city goods actually used in articles manufactured by them, nor from selling to railroad or transportation companies.

ARTICLE 14.

It shall be the duty of all members to make complaint to the Investigating Committee of said association, in accordance with the provisions of Article 8, of any violations of Article 13 by any manufacturer or jobber.

If the Investigating or Executive Committee is unable to amicably adjust the grievance complained of, it shall then become the duty of the secretary of this association to notify all members of said association of the facts in the case.

ARTICLE 15.

Whenever any complaint has been entered against any manufacturer or jobber, charging a violation of the provisions of Article 13, it shall then become the duty of every member of this association to withhold his patronage from

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said manufacturer or jobber until all such complaints as aforesaid have been satisfactorily adjusted.

The following gentlemen were then nominated and elected officers for the coming year:

President, Charles F. Bock, Battle Creek.

Vice-president, H. W. Webber, West Bay City.

Secretary, H. C. Minnie, Eaton Rapids.

Executive Committee: C. M. Chamberlin, Kalamazoo, two years; T. A. Harvey, Saginaw, two years; G. W. Hubbard, Flint, one year.

Investigating Committee: W. J. Boyce, Port Huron; S. P. McDonell, Bay City, and T. Frank Ireland, Belding.

Transportation Committee: S. F. Stevens, Grand Rapids; G. W. Bruske, Saginaw, and J. W. Drury, Detroit.

Entertainment Committee: H. C. Weber, Casper Gnau and J. S. Cappen, Detroit.

After the adjournment of the final session, a trolley ride over the local railways of Battle Creek was taken, and visits made to a number of the leading industrial centres of the place.

All About the Hammer.

A hammer is not generally regarded as an article about which much can be said, but, as in case of the saw and the nail, the dictionary-makers manage to say a great deal about it.

If the junior office-boy in a Hardware store were asked to describe a hammer, he would say, "It's a thing to drive nails with." The gentlemen who made the "Century Dictionary," go a little farther than the boy, and couch their definition in these words:

"Hammer. An instrument consisting of a solid head, usually of metal, but sometimes of wood or stone, set crosswise to the handle, used for beating metals, driving nails and spikes, dressing or breaking stones, etc.; hence, a machine in which a heavy block of metal is used for such a pupose. The head of the hammer is made in various forms, according to the use to which it is to be put. Hammers of stone are found among the remains of antiquity, and are still in use among barbarous races. The hammer has also been used as a weapon of attack in war."

Continuing, the definition is extended to fit "something which resembes the common hammer in form, action, or use. (a.) The piece in a clock which strikes upon the bell to indicate the hour; the striker. (b.) In a bell, an independent wooden or metallic lever by which it is sounded: distinguished from a tongue, which is attached to the bell, and is usually operated by swinging the bell itself, though a tongue is sometimes used as a hammer. (c.) A small wooden mallet with a padded end or knob, held in the hand, with which the strings of the dulcimer and other similar instruments are struck. (d.) In the pianoforte, that part of the mechanism or 'action' that is thrown against the strings by the key or digital. It consists of a slender, elastic, wooden shank, and a wooden head thickly covered with felt. Each key has its own hammer, which strikes against the one, two, three or four strings belonging to that particular key. (e.) That part of the lock of a firearm which falls with a sharp blow and causes the discharge of the piece. In the flint-lock the piece of flint was secured in the front of the hammer and struck sharply against the steel covering of the pan, displacing it, and throwing sparks into the priming in the pan. In the percussion-lock the blow of the hammer explodes the percussion cap. Ordinarily the hammer can be fixed at half-cock, at which point the pull of the trigger does not move it and at full-cock, when the movement of the trigger will release it. The form of the hammer and the mode of its action in exploding the charge differ greatly in different kinds of guns. (f.) A gavel used by auctioneers."

Other uses of the word are found in the hammer-ax, a tool consisting of a hammer and an ax combined on one handle; a hammerer, one who works with a hammer; hammer-headed, having a head like that of a hammer; hammerman, a mechanic whose work involves the use of a hammer as a blacksmith, goldsmith, etc.; hammer-marked, a mark left by the hammer as in forging; hammer-picked, a tool having a hammer face at one end of the head, and a pointed pick at the other.

We also quote the following bodily from the "Century Dictionary," throwing as it does a side light upon the various uses of this useful tool:

Ceremonial hammer. In archæology, a small stone object resembling the head of a hammer or hatchet, one or two-edged, and drilled with a fine hole, apparently intended to be hung about the person as an amulet. It is especially common in North America, but amber beads resembling it in form are found in northern Europe.

Dental hammer or plugger. An apparatus used in filling teeth with gold, consisting of a plugging instrument fitted to a loose sleeve carrying a spring and tapping device. When the instrument is pressed against the filling of the teeth, the sleeve or tool-stock moves back till a detent is passed, when the sleeve is released and under the influence of a spring strikes a blow upon the plugger. Also called automatic mallet.

Double hammer, a forging device for operating upon a bloom or puddler's ball, striking it on opposite sides simultaneously. Electric hammer, an electric apparatus for working a rock drill. It is constructed on the principle of the dental hammer.

Enlarging hammer, the hammer used by a gold-beater. It weighs fourteen or fifteen pounds, and is shaped like a truncated pyramid, with a slightly convex face.

Hammer and tongs, with great noise, vigor or violence; violently; vigorously. (Colloq.)

Luceren hammer, a name given to the war-hammer or marteau d'armes when fitted with a long handle for the use of foot soldiers: so called because a favorite weapon with Swiss mercenaries from Lucerne.

Nasmyth hammer, a steam hammer used in forging large masses of metal, especially iron, and having its head attached to the piston-rod of the steam engine by which it is worked.

Patent hammer, in stone dressing, a hammer having knife-like ridges on its face, numbering six, eight or ten to the inch.

Thor's hammer, in Norse myth , the hammer of the god Thor, by the wielding or throwing of which thunder and lightning were supposed to be caused. A pendant ornament, usually of silver, found among relics of the prehistoric iron age in the north of Europe. It has somewhat the shape of a mallet, and it is undoubtedly intended to represent a hammer as weapon or utensil.

To bring or to come to the hammer, to sell or to be sold at auction; from the use by auctioneers of a gavel or small hammer to indicate by a rap the sale of an article to the highest bidder, called knocking it down.

C. E. Sontum, of the firm of C. E. Sontom & Co., Christiania, Norway, desires to place himself in closer connection with American manufacturerers. The United States Government has lately appointed a new consul at Christiania, and Mr. Sontum is an applicant for the appointment as vice-consul at that point. The position is not a salaried one, but his ambition is to be in a place where he can be of service to American manufacturers and also to his own country, in the further introduction of American goods. C. E. Sontum & Co. are among the most energetic in their line in Europe, and we believe that the appointment of a member of this firm to the position named, will be a decided benefit in many respects.

HARDWARE costs only One Dollar a year.

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NEW GOODS AND SPECIALTIES.

The Graham Grooved Shank Chucks and Drills.

The Detroit Twist Drill Co., Detroit, Mich., are the manufacturers of the Graham Grooved Shank Chucks and Drills, which have been largely introduced and severely tested by the leading machine shops of the country since their introduction a few years ago. They form part of a



FIG. 1.

"grooved shank system" applied to mechanical appliances, which in many respects were a radical departure from methods previously in vogue. It required concentrated effort, effective advertising, and the distributing of many samples to make this new tool forge its way into the affections of the mechanics to whose attention it had been drawn; but a steadily growing acquaintance with its admitted improvements, soon resulted in its adoption by workmen who had previously looked in vain for the points of excellence brought out so prominently by its continued use. In Fig. 1 we illustrate the Graham Chuck, which is claimed to be "the smallest and simplest automatic chuck now on the market; it possesses the rare qualification of having jaws that are made additionally strong by being a part of the shank itself. The groove is milled into the round solid steel, to a depth sufficient to give the proper spring to the jaws for tightening and releasing the drill by the hand." It will be noticed in Fig. 2, showing a sectional view of the chuck, that a loose-fitting stop is placed between the jaws, in which the various drills rest each to the same depth, preventing any possible straining; the jaws and stop are hardened, which reduces the wear to a minimum and prevents the tool from getting out of true. The shell of the chuck, which is also made out of the solid, acts on the taper on the ends of the jaws, causing sufficient compression by the use of the hand only to hold any drill and prevent its drawing out when in use. The range of sizes taken by the various chucks is unusually large, and is still further increased by the use of "reducers" manufactured by the company which, as stated by the makers, practically enable a press fitted with their largest chuck to take drills from 3-32 inch to 2½ inch inclusive in one

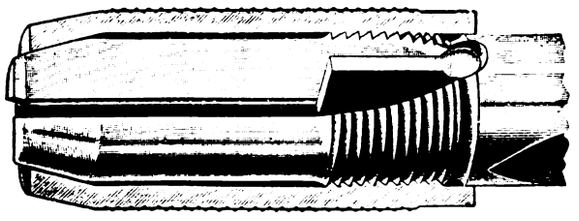


FIG. 2.

chuck. The reducers referred to are made from solid steel and are carefully hardened, do not project from the jaws of the chucks or shorten the distance between the table and the chuck and are warranted to run perfectly true. An illustration of this appliance is given in Fig. 3. As in the application of the grooved shank system, the shanks of special drills, boring bars, reamers, etc., require that shanks should be grooved. The manufacturers express their willingness to furnish milling cutters for such shank grooving when desired, cheerfully granting users of their drills and chucks full privilege to mill the shanks of any special tools they may have on hand or may require to fit into their chucks. They are also able to furnish sets of loose jaws for breast and ratchet drills to hold the grooved shank drills. Hand tools, it is claimed, when adapted to use grooved shank drills, possess great advan-

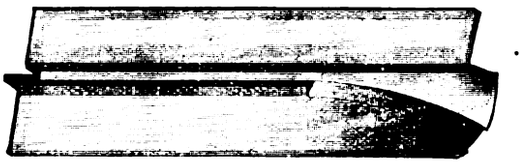
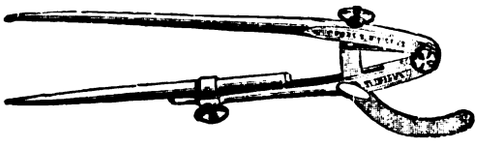


FIG. 3.

tages, saving the additional expense of the square shank and large round drills. Catalogues and further information will be furnished by the manufacturers upon request.

Copeland's Patent Steel Extension Dividers.

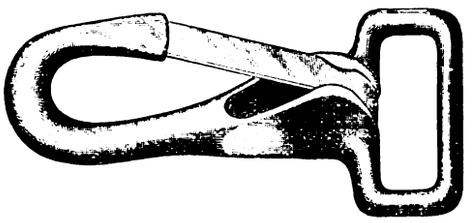
Thomas F. Eagan, No. 72 School Street, Worcester, Mass., is the manufacturer of the Copeland's Patent Steel Extension Dividers, so long and favorably known to the Hardware trade. In this style of dividers, with its latest improvements, the manufacturers have greatly improved the patent attachment of movable points, making them far superior for the use of draughtsmen, joiners and carpenters than the ordinary kinds previously in use. They are so constructed that instead of the leg of the compass, shown in the accompanying illustration, a carpenter's pencil may



be substituted, thus greatly facilitating the work for which this divider possesses the greatest usefulness. They are made with single or double leg extension, and the double adjustment permits of caliper points being used when desired in place of the straight points which permits their use in caliping stair railing, or any hollow piece of work, or where one leg should be extended further than the other, turners and machinists will find this description very desirable. The manufacturer also manufactures smooth joint calipers of superior shape, neatness, stiffness and durability, and also a patent round bolt spiral window spring is made by him, which is referred to as being a very secure fastener and quite easily adjusted to any common sash. Circulars referring to these will be furnished upon application.

The Derby Snap.

The Covert Mfg. Co., West Troy, N. Y., are placing before the Hardware trade their latest achievement in the line of snap hooks. It has been named "The Derby" Snap,



one of the patents being granted as late as June 22, 1897. It is up to date in the strictest sense of the term. Embodied in its construction are many new and novel features. The spring being plated throughout, is completely

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rust proof, and is guarded by the patented feature of having edges which overhang the cheeks, rendering it impossible for it to spring out of place, or become in any manner disarranged. The retaining hook of the spring, which is one of the valuable features in the construction of "The Derby," is also covered by the patent. We present herewith an illustration by which these important points can be more fully understood. The Derby is intended to answer all the purposes for which every style and form of snap is demanded by the trade; in fact, the makers claim that the usual objections urged against many other snaps in use are entirely obviated by the formation of the Derby Snap, which will prove its superior excellence to even the casual observer.

Recent Trade Publications.

Among the books recently published possessing an interest for the trade we have received an elaborate volume inscribed "The Self-Proving Accounting System, Including Illustrations of various books and forms in facsimile, with special application made to the Installment Business. A manual for Business Men, Accountants and Auditors." By A. O. Kittredge, F. I. A., Consulting Accountant, Editor of *Accountics*, formerly editor of *Business* and co-editor of *The Lawyer and Credit Man*, and J. F. Brown, merchant, of J. F. Brown & Co., credit house furnishers. 328 pages, large octavo, four facsimile insets and numerous other illustrations. Published by the Self-Proving Account Book Co., Toronto and New York. Price, $5. The authors of the system are both practical men. Mr. Kittredge has been prominent in accounting circles for many years past. He has had an extended business experience, and, in addition, is widely known on account of his editorial work upon the monthly paper, *Business*, and upon *The Lawyer and Credit Man*, and more recently upon *Accountics*, of which he is at present the editor. Mr. Brown is a successful installment merchant, and, although doing business in Canada, is a citizen of the United States and a native of Michigan. Much of the system which the book explains is in successful use in Mr. Brown's store. By reason of its joint authorship the volume presents a completeness of detail which would otherwise be impossible. All that is advocated has been subjected to the severest tests of practice. This work differs from various books on accounting which have preceded it, in that it treats first of accounting and second of bookkeeping, and that it commences the inquiry and discussion to which it is devoted where the ordinary volume ends. The reader is spared the tedious pages usually devoted to an exposition of the principles of double entry and to a presentation of the distinguishing traits of single entry and double entry. Instead of this his attention is at once drawn to certain new and special applications that may be made of double entry principles, with which it is assumed at the outset he is well acquainted. The Self-Proving Accounting System is declared to be in all respects a double-entry system, and in various particulars much more than a double-entry system. It has all that double entry includes as ordinarily interpreted, and still more in matters of classification and consolidation, with the feature of proof by balancing maintained throughout.

Among the first to take advantage of the new regulation of the post office department respecting private postal cards, were the Troy Nickel Works, Troy, N. Y., from whom we have received a postal card printed in two colors, on two sides, and 7x14 inches in size, all of which the government forwards for a one cent stamp. Its sole mission in this case is to inform the trade that the Troy Nickel Works have already had an interview with the advance agent of prosperity, and although they found him "somewhat broken up, as if he had seen some hard times himself, a little brushing up, and a good square meal would fix him up all right, and then he will be himself again." They state that they don't want to be alone in their invigorating efforts, and hope their customers will assist by "sending in a few orders ahead of their wants." May this postal card "Jumbo" have the desired effect. This enterprising concern knows too well the value of advertising, ever to ask for bread with a glad hand and receive the marble heart in return.

E. C. Atkins & Co., Indianapolis, Ind., are distributing to the trade the Atkins' Hand Book of "Saws and Saw Tools" for 1897. This is a valuable publication for those handling such goods as are included in the comprehensive title, and from its great utility has become very popular and welcome to the Hardware trade, and also to mill men generally, who, upon application, will have a copy promptly forwarded to them. The present edition has among its varied contents a number of practical suggestions and instructions in the use and care of saws; the points to be carefully observed in ordering saws, especially circular saws; suggestions for the successful use and care of band saws, in which the matter shows the result of great experience and the surmounting of many difficulties. Many other important points are skillfully treated in the various departments of this useful volume; and included in its pages is a complete catalogue giving sizes, prices and detailed descriptions of many of their original and unique patented tools for the use of the skilled mechanic and saw mill operator. The interesting character of its contents in so many details connected with the lumber industry, makes it too valuable a publication to be neglected, when it can be so readily procured by a simple request.

We have received from the Builders' & Traders' Exchange, Milwaukee, Wis., a copy of the Contractors' & Builders' Directory of the State of Wisconsin. This is a very useful and valuable publication, having been compiled under the direction of the manager of the Exchange, W. H. McElroy. In addition to a complete history of the Builders' & Traders' Exchange, articles of incorporation, constitution, etc., the book embraces a mass of material it would be difficult to find in any other single volume, and contains beside an alphabetically classified directory of kindred trades of building industries, from architects and builders to well contractors and wood carvers. It will be found extremely useful by those desiring to reach this large class of artisans.

John H. Graham & Co., No. 113 Chambers and No. 95 Reade Streets, New York, having added to their list of agencies the Forest City Screw Driver & Drill Co., of Portland, Me., and Mason & Parker, of Winchendon, Mass., are distributing to the trade new catalogue pages to take the place of pages 83, 84, 85 and 86, of the catalogue issued this year, by this firm. The new pages cover the screw drivers and screw drivers and drills manufactured by the first company mentioned above, and the large line of high-grade ratchet and other braces manufactured by the last named firm. The goods referred to are first class and popular, and will prove a desirable addition to those already identified with the name of this hustling commission and manufacturing house.

Undisputed Circulation.

Angry caller (at newspaper office): Say, I want that little advertisement I gave you two days ago—"Wanted, an electric battery in good working order"—taken out.

Advertising clerk: What is the matter? Didn't we put it in the right column?

Angry caller: Column be dashed! Your extensive circulation overdid the business. My house was struck by lightning last night.—*Michigan Tradesman.*

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An Ancient's Advice.

The man who fails to take a vacation, does an injustice to himself, his family, his employes, his country and his God.

This may seem a little strong language, coming from one whose hair is silvered with the frosts of many winters in a Hardware store, and whose feet, if not in the grave, are standing upon the edges thereof. But it is out of this old age, and the experiences which it has gained for him, that I feel justified in making as strong a statement as that contained in the above.

When I was a boy, those in the mercantile class did not know what a set vacation was. Where I served as a clerk, we opened the store at 7 o'clock in the morning and kept it open until 9 o'clock at night, three hundred and sixty-five days of the year, with the exception of Sundays; and the old man for whom I worked would have run her right open all day Sabbath, if the community had approved of such procedure, and had come to buy. When a town was filled with strangers and merry-makers, on the Fourth of July and other days of jubilee, we boys were kept back of the counter from morning until night, and a request for the closing of the store on such occasions, would have been almost equivalent to handing in our resignation. I believe we did shut up on Christmas day, but not on Thanksgiving or New Year's.

If one of the boys wished a day off, once or twice a year, for some special occasion, such as a picnic, or the burial of a grandmother, he could sometimes obtain it, provided he stood high in the graces of the old man. The person who had been filled with a sufficient amount of hardihood and desperate courage to have suggested two weeks' vacation to each of the employees during the summer months, would have been looked upon as a spendthrift, or one in whose head more wheels had been generated than were necessary for the proper origination and propulsion of his ideas.

I have three clerks in my store, in addition to a young lady bookkeeper and stenographer, and I wish to tell you merchants that I would regard it as a piece of almighty poor business policy, if I did not give each one of these a full two weeks' vacation each year.

In the first place, I see that they earn it during the remaining forty-eight weeks. In the second place, I get more good value out of them in the course of the year than I could if their noses were kept at the grindstone during the whole period. In the third place, no man has a right morally, religiously, economically or patriotically, to cheat a fellow being out of that which is his natural due; and I believe that in the economy of this universe, God as much intended that the Hardware clerk should have a period of bountiful rest in the country, among the trees and flowers, and the thousand and one attractions that a man meets when away from brick and mortar, as He intended that the flowers, and the trees, and the birds, and the running brooks and good fishing, should be scattered promiscuously through this broad land of ours, with an invitation to man to go forth and enjoy them.

I always take two weeks' vacation myself, and am the better man because of it. Sometimes my family go with me, and sometimes I go alone, but in either case I come home invigorated, and with a better opinion of things in general, a warmer side toward humanity, a more comprehensive grasp of my business, with more kindness and love toward my immediate associates, a fuller and broader comprehension and understanding of my duties as an employer, a father, a citizen, a Christian and a man.

HONESTY THE BEST POLICY.

Once I was young and now I am old, yet have I not seen the righteous forsaken, nor his seed begging bread.

The above is not an exact quotation from the Scripture, in all probabilily, but is as near as memory will permit me to recall it. The sentiment is all there, however.

There never was a truer truism—if the expression may be used—than the old saw: *Honesty is the best policy.*

I admit that it does not occupy the highest moral grounds. It does not say that one shall do right because it is right. It does not say that one shall render his neighbor full due because it is Christian—Christ-like—to do so. It does not touch the higher plane of pure morality at all. It simply says that one shall be honest because *it pays.* Because it is politic to do that which is fair and right.

And it does pay. The truth of this is proved by the history of every honest man, and by the history of every dishonest man.

I do not say that all honest men do well in business, and all dishonest men fail. Not by a long shot. There are honest men in the alms house; there are thieves who live on velvet and eat from silverware.

But when all things are weighed and measured; when the balance is struck all around; when the average of men's lives is made, you will find that it pays one to do that which is right, in business matters, as in all others. The assets of good character and a clear conscience is the best holding one can have at the end of life.

AS TO LIES.

If you must lie, do it artistically.

A business lie may be a pretty thing to look at, but unsafe to handle.

Is a business lie ever justifiable? I would like to hear from some of the experts. I know a lot of them.

If you lie to a customer, and the clerk knows it, has the clerk a warrant for falsifying to you?

I know a youngster who said: "Dad licks me when I tell a lie. I want to grow up so I will have a right to tell lies—same as he does."

Can a man be a good deacon in a church, and at the same time a good salesman?

Where does the lie come in between business diplomacy, and outright falsehood?

A great deal may be said about the advantages of always telling the truth. Can anything be said on the other side?

A. N. OLDMAN.

Fell In Love With The Flies.

The following is but one of many letters received by the enterprising company to whom it is addressed:

The Enterprise Mfg. Co., Akron, Ohio.

Gentlemen: I never knew of your Luminous Flies until recently, when I found a card somewhere with Montreal, Yellow May and March Brown on it. A friend was going to the Adirondacks and I gave him his choice for "luck" of the three I had. He chose the Luminous March Brown. The party consisted of four, and this was the only Luminous Fly any of them had. In ten casts my friend pulled out ten trout, the remainder of the party having only fair luck. All wished they had put in a stock of your Luminous Flies, when they compared notes after a couple of hours' fishing. This has made me a friend of Luminous Flies. If you will send price, will be pleased to order a lot and recommend them to an extensive acquaintance.

Geo. B. Dowling, Yonkers, N. Y.

Hobbs—We had a great century run the other day, of the Scorchers' Club. Half the members fell dead at the end of it.

Nobbs—Why didn't you make it a double century, and kill the rest?

Is a glazier of necessity a putty man, an editor a paper man, a maker of tubs a wooden man, and a baker a dough man?

Two million glass eyes are manufactured yearly in Germany and Switzerland.—*Industrial World.*

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Review of the Markets.

It is discouraging to realize how long it has taken the legislators at Washington to bring to an end the uncertainties resulting from the long delay in passing the revised Tariff bill. This and the prevailing strikes throughout the country, cause more or less discussion, but the reports of universally improving crop conditions and the hopeful feeling regarding the future everywhere prevailing, will have the effect of producing a greater activity in business circles without much longer delay. Still, large orders are the exception and not the rule at present, even under existing low prices and favorable opportunities for purchasing. It will take but little in the way of sustained demand after August 1 to brace the market so effectively as to make the army of purchasers more eager to get under cover. As nothing but encouragement as to crop conditions comes from the West, the farmer, whom we have been in the habit of believing was impoverished and despondent, is paying off the mortgages under which he has groaned for years, and looking for "dollar" wheat with a remarkably fair chance of seeing it before the season progresses very far. Under such favorable prospects, the Hardware stocks of the West, which have rarely if ever been in such meagre shape, will need replenishing as never before for years, and the impetus thus given once started, will permeate the entire country and inspire the East with a feeling of hope and encouragement which they are anxiously prepared to welcome and profit by.

The demand for heavy goods continues anything but an attractive one; on such goods as carriage bolts, machine bolts, lag screws, etc., which have not in some time been quoted at an extravagant profit, low prices still prevail, competition being active for any trade in sight; and although a fair amount of business is being transacted, the manufacturers are hopefully waiting for a more energetic enquiry. The prospect of a more active trade in the South has made the competition on traces and other chains exceptionally active, and has had a tendency to weaken the entire line; so that for good-sized specifications, lower prices could be anticipated than previously prevailed on all the varieties, including coil and other heavy chains, the market being quite an irregular one.

Wire Nails: As most of the mills are shut down under one pretext or another, but little effort is being made to encourage the booking of orders for future wants, the few nails being sold only evening-up very ordinary stocks, with no speculative feeling underlying any movement, although prices are admittedly very low, and the belief is prevalent that higher quotations in the near future will succeed the present quotations. Carload lots at mill have been sold as low as $1.25, base, f. o. b., while from dock in New York carload lots are held at $1.40, and smaller lots from store, in accordance with quantity desired, are selling at $1.50@$1.60.

Cut Nails: In this line no movement of importance is noticeable, the demand being very limited in character and the output quite restricted. The tone of the market is still shown by the prevailing price of $1.20. base, for carload lots at mill, while carload lots in New York are quoted at $1.32@$1.30. Smaller lots from store are sold at the usual advance.

Linseed Oil: Under date of July 22nd, the Dean Linseed Oil Co. quote as follows: In lots of less than 5 barrels, 31 cents per gallon; 5 barrels or more, 30 cents per gallon; boiled linseed oil, 2 cents per gallon higher; Calcutta oil, 50 cents per gallon.

THE PITTSBURG TRADE.

The trade in harvest tools has been unusually good this season reaching up to July 15th, and stocks have been thoroughly cleaned out of the hands of jobbers. This has caused an appearance of good business, though it must be confessed that the aggregate amount of sales is disappointing. The low prices ruling in nails and wire, as well as in all other goods, keeps the amount in dollars low, although the tonnage of shipments must be considerably in excess of other years.

Pennsylvanians are quite interested at present in a bill passed by our recently adjourned legislature increasing the State tax on sales of merchants. The increase is from three to ten times the amount of the old tax which was high. Protests have been filed with the Governor, and it is hoped he will vetoe the bill. The increase in expense of doing business from year to year, and from one cause or another, is becoming a very serious matter, and one which should receive the earnest attention of all merchants.

Our weather conditions are now favorable and crops reported abundant. Vacation time is with us, giving a much needed rest to our faithful workers, but at the same time making the machine work rather awkwardly when some cogs are out of the wheels.

Logan-Gregg Hardware Co.

THE DENVER TRADE.

There is very little that is new to be said in regard to business at Denver. It holds on steadily and with gradual improvement.

The earlier promise of immense fruit and grain crops throughout the State is being fulfilled. The mines continue their steady and increasing production, and under any natural future conditions, Colorado would seem to be bound to prosper. Such promising prospects have encouraged prospective investors, stimulated them to some action, has caused an increase in building (mostly residence property of the better class), and a consequent improvement in feeling in all circles. George Tritch Hardware Co.

THE PHILADELPHIA TRADE.

The old proverb "there is a time for everything under the sun" does not seem in any way to affect the insatiable editor of *Hardware*. No matter what the season may be—whether it is vacation time, a holiday, festival or a feast—nothing will suit him but his semi-monthly letter, and when a man's mind has been occupied by the patriotic festival of the Fourth of July, and by the ensuing vacation, visions of big fish and small golf scores, are much more attractive than letters on the subject of business.

We return, however, to find business at about its usual gait at this time of the year. Salesmen have likewise had their turn of play, and are now again starting for the road, and a fair number of orders is resulting.

Goods are cheap and bills do not run up as heavily as they might, but there is some business moving and now that we have just received news that the House has passed the tariff bill, it seems that, with the enormous crops which nature is pouring into our laps, and with the shortage abroad, as if all indications pointed to a thoroughly healthy improvement in business and to higher prices as well.

Of course we have been looking for this for some time, and conditions are now shaping themselves much more favorably and, as President McKinley said in his address in our city some weeks ago, the country is not going backward but forward. American energy has not been destroyed by the storms of the past. We feel justified, therefore, in looking for better times this fall, and trust that the turning point of this very long lane has at last been reached.

Biddle Hardware Co.

THE DAVENPORT TRADE.

The Excelsior Mfg. Co., of Davenport, have sold their interest in the Excelsior Washing Machine to the Vendergrift Mfg. Co , of Jamestown, N. Y., who will continue to make the machines under another name.

A change in the method of branding tin and terne plate boxes by marking the weight on each box instead of the

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letters I. C., IX, etc. has been suggested; also a change in packing from an odd number of sheets, as at present, to a uniform number of one hundred sheets in each box of any size or grade. Both changes will be an improvement. Wish all Hardware could be bought and sold on the decimal plan.

Vacation season occupies the attention of both employer and employe just now. When pleasure interferes with business in July, we say let business go.

SICKELS, PRESTON & NUTTING CO.

THE MINNEAPOLIS TRADE.

There is not very much to report; business rather quiet, about the same as we expect during the hot weather; people generally have more confidence in the future. Our crops are pretty well assured now, as far as rain and good growing weather is concerned. The harvest will commence in a few weeks. There is every promise of the largest crop of wheat ever raised in the Northwest, and the probability of fair prices.

Prices are very badly demoralized in builders' Hardware line, what little business there is, being taken at little or no profit. The nail situation is unchanged, that is to say, they are being sold in small lots for less money than they should be sold in carloads. We do not anticipate any improvement in this line in the near future.

W. K. MORISON & CO.

THE COLUMBUS TRADE.

Your former correspondent (senior member) has hied himself off to the lakes, on his annual vacation and fishing trip, and from cards just received, think he has been successful, having caught a fish weighing about 125 pounds. (This is not a fish story.) Trust he will give you an account of his trip on his return.

Trade is not as brisk as in our last report. Beginning to show the usual midsummer dullness, although not more so than usual during July, and the strike cuts off a good share, which we trust will soon be settled. Comparing half year '97 passed with '96 shows a healthy improvement, and quite a gain over last year. Trade was especially good during the months of May and June, and we have faith to believe that we will enjoy a good fall trade.

We have been enjoying the cool weather of the past week, after the long continued warm spell. We have had rain in plenty, and sunshine and dry weather is needed to gather our hay crop.

Not much change in prices, except wire and nails a little lower. We think wire and nails at present prices are good stock to own. Collections fair.

SMITH BROS. HARDWARE CO.

Chas. Churchill & Co., large importers of American machine tools, with headquarters in London, have removed to new and enlarged premises at No. 9–15 Leonard Street, Finsbury, London, E. C. They represent a large number of American manufacturers, and now that they are in a central location, not ten minutes from the Bank of England, they are better situated than before for the handling of American goods. Their new building is four stories high with a basement, and they have a total floor space of 12,474 feet. Among the American firms represented by them in England, are the following: Armstrong Mfg. Co., Brown & Sharpe Mfg. Co., Henry Disston & Sons, Ferracute Machine Co., C. E. Jennings & Co., Chas. Morrill, Chas. Parker Co., Stanley Rule & Level Co., L. S. Starrett Co., and Tower & Lyon.

The amount of iron contained in the animal tissues of a man weighing 150 pounds is about 100 grains, or a quarter of an ounce. Yet so important is even this small amount to the system that a difference of a few grains more or less may produce serious constitutional disturbance.—*Industrial World.*

A Cycle Hanger.

Some time since, *Hardware* published an article concerning the care of bicycles, in the course of which the following language was used: "Many cyclists don't give care and attention to their wheels from the fact that they find it troublesome to get at the different parts; they either have to lean the wheel against something while they are working at some defective part, or hold it with one hand while they do the best they can with the other toward the work they desire to accomplish. For all such riders, it might be well to suggest that they grasp the front and rear fork on the same side of the wheel and turn it over on the saddle and handle bars, thereby giving them access to any part of the machine and at the same time allowing them the use of both hands. This will be found a most convenient way for cleaning the wheel."

A valued correspondent has sent us the above clipping with endorsement of Lane's Cycle Hanger, manufactured by Lane Bros., Poughkeepsie, N. Y. He endorses this article as being the best method which he knows of disposing of a bicycle during the process of cleaning. With this hanger, one can not only raise the bicycle for cleaning, but can also pull it clear up to the ceiling out of reach if necessary, when not in use. A fully illustrated description of this hanger will be sent to anyone on application to the manufacturers above named. See page 2.

The Cards Are Out.

The following interesting announcement concerning the senior member of the Smith Bros. Hardware Co., of Columbus, Ohio, will be of interest to Mr. Smith's friends, and speaks for itself:

John Henry Smith
Sarah Elizabeth Howard
Married
Wednesday, July Fourteenth,
1897,
Cuyahoga Falls, Ohio.

At Home
after August tenth,
257 East Broad Street,
Columbus, O.

Tennessee Hardwaremen.

The East Tennessee Hardware Dealers' Association has just concluded a very interesting session at Knoxville, Tenn. Several interesting papers were read on Thursday, the 15th. The final session was held on Friday, and at the conclusion thereof officers to serve during the next six months were elected. J. W. Bayless, of Athens, was honored by being unanimously re-elected president, and E. T. Hall was re-elected secretary. The association decided to meet again in Knoxville, in January. A vote of thanks was tendered to W. W. Woodruff & Co., for their entertainment of the association Wednesday night.

Krupp, the great German manufacturer of cannons, has lately completed a number of paper field-pieces for the use of the German infantry. Their calibre is a little less two inches, and the pieces are so light that one soldier can easily carry one. But the resistance is greater than that of a field-piece of steel of the same calibre.—*Chicago Journal of Commerce.*

HARDWARE is printed for men now on earth.

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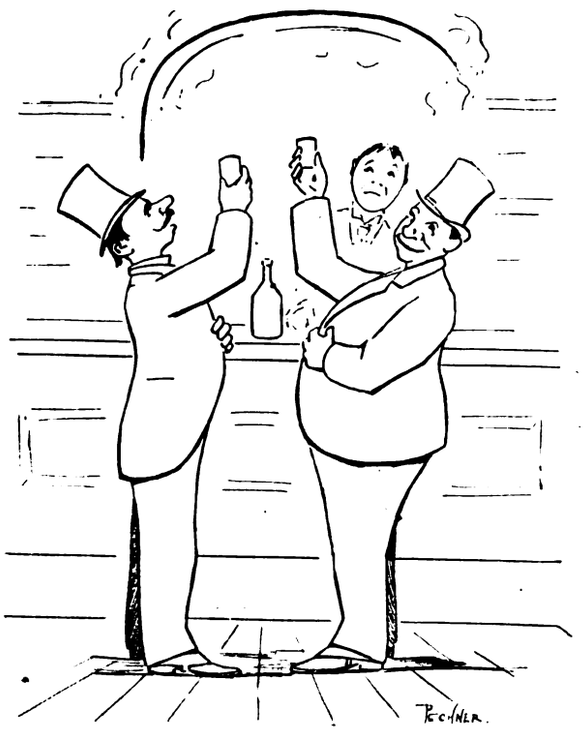
A DRUMMER'S REMINISCENCE.

It was along in the early seventies when I thought no fall season would reach its full fruition of profit, unless I took my annual summer trip up among the mining regions of Lake Superior.

I had departed from Green Bay, on a bright and beautiful morning in July, after clearing up all the business I could corral along Lake Michigan *en route;* and with an interesting novel in my hand, I was comfortably reclining on the upper deck of a Green Bay steamer bound for the welcome shores of Escanaba; doing my level best to extract comfort from a camp stool, with fresh air accompaniments, aided by an occasional visit to the subaqueous department, where pop punches alleviated the despondency of the lonely traveler.

The deck was occupied in spots by others who, on pleasure or business bent, were throwing bouquets at themselves on account of having such a lovely and enjoyable day, on which to traverse the pleasant waters that separated the objective points of our trip, dotted as they were, here and there, by an occasional island exceedingly picturesque and not frequently inhabited.

The captain, whose name was Gibson, was a jovial, good-natured specimen of the fresh-water skipper, whose principal ambition—beyond a safe transit over the deep waters of Green Bay—was in providing for a boat load of hungry tourists the best dinner for seventy-five cents I ever remember receiving, the acknowledgment of which fact, at a later hour, being so gracefully and feelingly done, caused an



outlay on the skipper's part of the price of of two of the aforesaid punches, of which nectar and ambrosia combined, the captain was fully as fond as I was.

But to resume the thread of my experience. About the time I was getting into that most interesting part of an absorbing work of fiction, where the hero was gradually working loose from the machinations of the unusually exasperating villain, and rapidly approaching a haven of rest in the arms of the victorious heroine; almost unconscious of surrounding influences, I was suddenly brought back to a mundane sphere of usefulness by having a gentleman in my immediate vicinity salute me in a mildly interrogative manner as follows:

"I beg pardon! but you seem to be so familiar with every object of interest surrounding us, as to no longer give any attention to their beauties. May I crave your indulgence for a moment or two?"

I looked at the gentleman who had the temerity to so interrupt my interesting perusal of the novel referred to, and found he presented the appearance of a quiet little man about fifty years of age, who, with pencil and tablet in his hands, was trying to fill a page or two, and make a home letter—as I supposed—detail the delights of an initial vacation.

There was a lurking imp of mischief tugging at my benevolent heart, as I asked the asspiring tourist "in what way I could be of service."

He said in reply that he "had never been over this route, and would be under many and lasting obligations if I would kindly enlighten him on any interesting points of interest connected with the islands and points of land, which made the trip doubly attractive."

The lurking imp, to which reference has already been made, kept saying "help the old gentleman out," "help him out;" and so I acquiesced, and submitted with a dignified demeanor and an air worthy of "truthful James," to become a tank of information on constant tap.

"That point of land we passed a mile or so back," he remarked, humbly, "are you familiar with the name of it?"

"Oh, yes!" said I, in accents of extreme frankness and simplicity. "That was Dead Man's Point."

"'Tis a singular name." said he, "and suggests historical associations."

"Yes," said I, "it originated in the finding in 1819, by a party of explorers, of a well-preserved Indian's body, which, after being bound to a trunk of a tree, had been buried with his feet up."

"Goodness gracious! how interesting," said my questioner. "Pardon me until I write that all down; do you know I am awfully glad I met you?"

Well, we passed point after point and island after island; he filled up all the paper he had on his tablet, and went below for more; I became so interested in the Indian and other romances I was weaving, the barkeeper came on deck to see what had become of me. The old gentleman thanked me profusely, and while resting his tired pencil, brought my whole structure of untruthfulness to grief, upon a rock of fact, which no jollying efforts on my part could shake from his suspicious mind.

While pausing from sheer fatigue, he remarked to me:

"You are certainly a walking encyclopedia of all matters of interest that Green Bay can boast."

I removed my hat in acknowledgment of a compliment I so little deserved.

"You probably know how much the waters of Green Bay exceed in height the waters of Lake Winnebago?"

I ought to have known better, but I had been lying so interruptedly, I thought one more wouldn't hurt, so I said: "Certainly; twenty-eight feet."

The old skeezzicks must have asked that question to test me.

"Oh!" he said, "you certainly must be in error."

I persisted I couldn't possiby make a mistake; and then the old duck went to work and figured it up by counting the number of locks there were on some canal that joined

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SELF-HEATING TAILOR IRONS,

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Union Heater Supply Co.,* 91 Congress St. E., *Detroit, Mich.

the two bodies of water, added the number of feet allowed to each lock, and conclusively proved I was an apostle of misinformation. I didn't maintain my ground; it wasn't solid enough; so he folded his camp stool and silently stole aft.

He never approached within twenty feet of me the balance of the trip; and an hour later, in the captain's private stateroom, while smoking a couple of Park & Tilford's "Antiguedads," with which I had supplied myself before leaving New York, he told me the reason why my questioner failed to speak as he passed by.

When he took his camp stool and stole away he sought the captain, who was then in the pilot house just above my head.

Pointing with a trembling hand to me, he asked the captain:

"Do you know that gentleman?"

"Oh, yes!" said the captain, "I've had his company on my boat every summer for the past seven or eight years."

"Then, of course," said the scribe, "you know whether he's a gentleman of truth and veracity."

"Well, well!" asked the captain, his interest increasing, "what has that got to do with the business?"

"A very great deal," replied his questioner. "Look at this," showing the fifty or sixty pages of manuscript I had assisted in illustrating. "Ever since leaving the Bay he has been giving me information about every island and point of land, with which the trip has been beautified."

"He has!" exclaimed the captain; "what possessed you to write it all down, as though it was gospel truth?"

"Well, you see, I'm connected in an humble capacity with the Baptist Church at Oshkosh, and I promised the 'Advertiser' to send them one or two interesting letters while away."

"And you have it all written out on that pile of paper?" asked Captain G———. "As you value your good name for truth, and desire to stand well with your fellow townsmen, let me advise you to tear up every d—— page of it; pardon my getting excited, but your informant is a Hardware drummer from New York, who, during July and August in any year, was never known to tell the truth except in the way of remunerative business." HOP.

Our Exports.

From the figures recently given out by the Treasury Bureau of Statistics it is shown that the exports for the fiscal year ending June 30, were the largest the country has known in its history, exceeding by upwards of $21,700,000 the previous largest total, which made a record in that respect in 1892. As stated in Bradstreets: For the month of June the exports were valued at $74,174,689, which represents an increase of over $7,400,000 as compared with the corresponding month of last year. The imports for the month were valued at $84,826,110. which represents an increase of over $28,600,000 as compared with the corresponding month of last year. The dutiable imports were valued at $43,672,847, which represents an increase of over $12,600,000 as compared with June, 1896, while the nondutiable imports were valued at $41,153,263, an increase of over $16,000,000 as compared with the corresponding month a year ago.

For the twelve months ending with June the total exports were valued at $1,051,987,091, which represents an increase of over $169,300,000 as compared with the preceding fiscal year. The imports were valued at $764,373,905, which represents a decrease of over $15,300,000 as compared with the preceding fiscal year. Ths dutiable imports were valued at $382,441,300, which represented a decrease of over $27,500,000 as compared with the fiscal year ending June 30, 1896, while the non-dutiable imports were valued at $381,932,605, an increase of nearly $12,200,000, as compared with the preceding fiscal year. As will be seen, the dutiable and nondutiable imports almost balanced each other in amount, a very slight excess, only a little over $500,000, being shown in favor of the dutiable imports. The exports for the twelve months exceeded the imports by $287,613,186, which is considerably more than double the excess on the same side shown in the treasury accounts for the fiscal year preceding.

Illness of John P. Lovell.

News has come from Cottage City, Martha's Vineyard, Mass., of the very serious illness of the venerable John P. Lovell, founder of the John P. Lovell Arms Co., Boston.

On the afternoon of July 13th, Mr. Lovell was stricken with paralysis at his summer cottage. He had not been enjoying vigorous health, and his friends had hoped that this visit to the Vineyard would prove a benefit. While at luncheon he was suddenly stricken, and was found by his family upon the floor, apparently dead. At the last report, pneumonia had set in and the worst was feared. Mr. Lovell was one of the pioneers in his line of manufacture and has filled a long life with great usefulness and many benificent deeds. He is now in his 77th year.

A Nail in His Tongue.

Merwin Wiant, 18 years old, of Canoe Hill, N. Y., used a wire nail to dislodge a cartridge from a revolver on Saturday afternoon, and while doing so the revolver discharged and Wiant received the full charge in his face. He went to Saugerties and told Dr. S. L. Dawes he had a bullet in his tongue and wanted it extricated. The doctor found a hard substance which lay diagonally across the tongue. Upon being drawn out it proved to be the wire nail which Wiant used to dislodge the cartridge. It measured three and a quarter inches in length. It entered on the right side of the face through the lower lip.—*N. Y. Sun.*

They are introducing office girls in Chicago, and those who have them in their employ are well pleased with them. They say that the office-girl is superior to the office-boy in many particulars. In the first place, she does not smoke cigarettes, and she does whistle. As a rule, she has no taste for dime novels.—*Chicago Journal of Commerce.*

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Seymour Cutlery Co., ESTABLISHED 1839.

—SUCCESSORS TO—

HENRY SEYMOUR CUTLERY CO.,

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Seymour Shears ARE THE STANDARD.



Every pair is fully warranted and if found imperfect from any cause will be replaced with perfect shears.
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Some Early Tools.

Rakes, hoes and other agricultural implements are represented in the Egyptian catacombs.

Until comparatively recent times the only harrow was a large pile of brush or tree branches, dragged across the field by a team of oxen.

Knives of flint and other stone breaking with a sharp fracture were known in early times. When the Spaniards invaded Mexico the natives had knives of volcanic glass.

Spades and shovels, together with scoops, are found depicted on the walls of Egyptian catacombs and all three are frequently mentioned by Roman and Greek agricultural writers.

The earliest spoons were made of horn. Specimens of ivory and bone have been found in the abodes of the cave-dwellers and lake dwellers all over Europe. Spoons of gold and silver are mentioned as having been used at Nero's table. In Saxon times every guest brought his own knife and spoon, the host providing a towel or cloth for wiping each at the close of the repast.

The screw was known at an early age in the history of civilization; its invention being attributed to Archimedes and other mechanicians and philosophers. Screw-making machines have been patented, which by peculiar appliances and devices, turn out screws complete in every part. Screws are of many sizes, from the largest, which weigh almost a pound, to the microscopic articles used in the delicate mechanism of the watch. The smallest sized watch screws look like grains of sand and only with a microscope can the fact be discovered that they are perfect.

Hammers are represented on the monuments of Egypt, twenty centuries before our era. They greatly resembled the hammer now in use, save that there were no claws on the back for the extraction of nails. The first hammer was undoubtedly a stone held in the hand. Claw hammers were invented some time during the Middle Ages. Illuminated manuscripts of the eleventh century represent carpenters with claw hammers. Hammers are of all sizes, from the dainty instruments used by the jeweler, which weigh less than half an ounce, to the gigantic fifty-ton hammer of ship-building establishments, some of which weigh as much as fifty tons and have a falling force of from ninety to one hundred. Every trade has its own hammer and its own way of using it.

Pliny says that the first saw was invented by Daedalus, but, according to Apollodorus, it was the invention of Talus, who used the jawbone of a crocodile to cut through a piece of wood, and then made an iron instrument in imitation of it. The saw is represented on the monuments of Egypt from 2500 to 3000 years B. C. As early as A. D. 1322, saw mills, driven by water power, were in operation at Augsburg, and, it is believed, before this they were in operation in Paris, driven by the current of the Seine. The first saw mill erected in the Norway pineries was in 1530. Saw mills were numerous in Italy in the sixteenth century. They were not introduced into England until 1663, when a native of Holland built one, but was compelled to abandon it by the opposition of the populace, carpenters and other artisans, who saw no good in such a new-fangled contrivance.

The ax is of so great antiquity that its origin is lost, though the Greek legends attribute it to one of their mythical heroes. Stone axes have been found in many countries. Iron axes have been discovered in the Egyptian catacombs, and axes of bronze have been found in almost every land in Europe. Flint axes, for wood cutting, were in use among the Mexican and other Central and South American tribes at the discovery of America. The axes of ancient times were badly made, having most of the weight in front of the handle, and being thus uncertain of aim and ineffective in cutting power. Battle axes are represented on the monuments of Nineveh and Babylon. The battle-ax of Robert Bruce was so heavy, and used with such effect, that, it is said, at the battle of Bannockburn, he clove an Englishman in twain with one blow. The battle-ax of Charles Martel, it is said, weighed thirty pounds.

The first nails were undoubtedly the sharp teeth of various animals; then it is believed, pointed fragments of flint followed. The first manufactured metal nails were of bronze. The nail with which Jael killed Sisera was a wooden tent pin probably pointed with iron. Bronze nails have been found in the Swiss lake dwellings, in several places in France and in the Valley of the Nile. Until the present century iron nails were forged, a blacksmith being able to make only two or three dozen a day. The first cut-nails were made by Jeremiah Wilkinson in Rhode Island in 1775. The first patented nail machine was by Perkins, 1795, and its product of 200,000 nails a day was considered so enormous that some persons deemed the result due to a supernatural agency. Many improvements in nail making machines, greatly increasing the quantity and quality of their output, have been made in the present century.—*Exchange.*

Coal mining is promising to become an important industry in Arizona. In the northern part of the territory extensive bodies of bituminous coal are encountered north and east of the Painted Desert region. This coal crops out in many places and at one point has a thickness of thirty-one feet.—*Chicago Journal of Commerce.*

"I don't know," cried the excited feminine voice in the darkness, "whether you are my husband or a burglar, but I'm going to be on the safe side and shoot."—*London Figaro.*

Situation Wanted.

BY a practical mechanic, experienced in manufacturing patented and builders' Hardware and specialties, well up in modern shop methods. Competent to get out work cheap, etc. An expert workman at bench, and a hustler. Address EXPERT, No 3029 Poplar Avenue, Chicago, Ill.

Agents Wanted.

WANTED—Resident agents in all cities to sell our Patent Mixer and Beater. This is a new and useful household article for all mixing purposes, for the table. No competition. Good profits. Address EYNON & SONS, No. 122 N. 6th Street, Philadelphia, Pa.

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Kansas City Trade.

From $90,000,000 to $100,000,000 worth of business has been done by the wholesalers and jobbers of Kansas City during the year ending June 30th. The territory of consumption has been somewhat extended, although not equal to that of some years previous. The jobbers report a great increase of business in the more Southern States, particularly Arkansas, Texas and portions of Louisiana. In the latter State Kansas City never did have much of a hold until the last six months, and those who have looked the ground over prophesy that Kansas City will, before long, be the leading city to supply the western sections of that country.

Kansas City sells more agricultural implements than any other city in the world. It seems to have made no difference with merchants in this line, whether times were stringent or easy, the trade has gone right along increasing each year since 1892. The latter year sales reached the highest point, the implements sold aggregating a value of about $21,000,000. The year following sales fell off in the neighborhood of $5,000,000, but the reaction has been sure, sales during the year under review amounting to the enormous sum of $17,500,000. The implement houses employ in the neighborhood of 1700 men, and when it is remembered that none of the above have to do any manufacturing, one will the more readily comprehend the enormity of this branch of Kansas City's industry.

There are but eight cities in the United States that equal Kansas City in the amount of mail handled. The value of stamps sold during the year amounted to $540,419, reaching above the half million mark the first time in the history of the town.—*Kansas City (Mo.) Journal.*

Whoever has industry possesses a winning card.—*Hardware and Metal Reporter.*



Patented January 5, 1897. Others applied for.

IT EXPLAINS
Why it is
Superior to all other
Hose Reels. This
The Hartzell
Self-Draining Hose Reel
will carry more hose,
it will **drain, preserve** and
greatly increase
the **durability** of **Hose.**

It is a beautiful ornament for a lawn. It is convenient, light, strong. It will please your customers as it saves money. For prices and Sample Reels, address

The Hartzell Novelty Works, (Sole owners and man'f'rs) ALLIANCE, OHIO.

Fishing for Squirrels.

E. P. Barrol, a Hardware merchant of Colfax, was in the city on business recently. Among other things he purchased while here was a quantity of large fish hooks. When asked if fishing had become suddenly good in the Palouse country he replied that it had not, but that the farmers were using the hooks to catch squirrels with. The idea is new but quite a popular and successful one. A large fish hook is fastened to a small piece of board by means of a nail driven through the eye. The board is placed in the mouth of the hole with the point of the hook pointing out. The squirrel comes out by it in safety, but when he starts to run back by it the hook catches him in the breast and holds him fast.—*Spokane Chronicle.*

TOOLS THAT ARE REAL

The man who makes or breaks a thing is the man who uses it. No article, however fine in appearance, however well advertised, can succeed without the good word of the man who works with it for his living. It has got to suit him—it may suit everybody else, manufacturers, jobbers. dealers, but all counts for nothing unless the consumer is satisfied. What does that mean? It means that quality is bound to win. *For real work can't be done without real tools.* The tools we make—rubber belting, hose, packing and all the rest—are genuine clear through, **AND WHENEVER YOU SEE "1846 PARA," OR "DOUBLE DIAMOND" BRANDED ON A RUBBER TOOL, IT'S A WORKER.**

BELTING, GARDEN HOSE, WATER HOSE, FIRE HOSE, SUCTION HOSE, STEAM HOSE, AIR HOSE, TUBING.	*Chicago, . . . 143-145 Lake St.* *Boston, ... 24 Summer St.* *Philadelphia, . 308 Chestnut St.* *St. Louis, . . . 210 N. 12th St.* *Indianapolis, . 79 So. Illinois St.* *San Francisco, 509-511 Market St.*	PACKING, GASKETS, VALVES, RUBBER TILING, RUBBER MATTING, EMERY WHEELS, SPECIALTIES, LEAGUE TIRES.

NEW YORK BELTING & PACKING CO. LTD

PIONEERS AND LEADERS, 25 PARK PLACE.

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Something for Nothing.

"If there is any one purpose that has made a pronounced impress upon the times," says the *Hub*, "it is the almost universal effort to obtain something for nothing. It is this that leads the trusts and other corporations to issue a million in bonds for half a million in property. It prompts the worker to give a few hours' work for a full days' pay, and causes the woman to hunt the bargain counters and pay full values for inferior goods, under the impression that she is getting a bargain. We see it in every phase of life. The lawyer without clients becomes the political trickster and secures an office, where little work and big pay make up the sum total of his ambition. The preacher sees more money in sensationalism than in the religion he professes, and his Bible is laid aside for the scandals of the day. The public press appeals to the lowest elements in man's nature, to gain notoriety, and with it the dollars. The manufacturer debases his materials to increase his profits, and law makers enact laws which will invite contests in courts, in order that fees may be earned with little labor. Every element in private or public life, is thoroughly permeated with the virus, notoriety purchased by court scandals, and even the supposed custodians of purity close their eyes on vice of an every day character, and affect to see crime lurking in the teachings of men of letters. They know that the innocent man can defend himself, while the guilty will shrink from publicity. The seller strives to give nothing for something, while the buyer strives equally hard to get something for nothing. The man who has failed through questionable business methods is the most persistent in his efforts to obtain a release from his just obligations, through a petty compromise, and he who accepts the mite offered hopes to make good his losses through future sales. It is this special grab that balks business and stimulates freak legislation and gives that uncertainty to all matters that should be public and private. There never was a time when these conditions existed to the same extent that they do now. Let us hope that the climax has been reached and that the time is approaching when each and all will be able to give an equitable return for what is received."

Points in an Employer's Liability to Employees.

A workman does not assume a risk where he knows there is some danger without appreciating it.

An employer is bound to use reasonable care to see that machinery used by his workmen is in proper condition.

The mere fact that a workman received an injury raises no presumption of negligence on the part of his employer.

A workman does not assume the risk of injuries from a latent defect in machinery, because his opportunity of discovery is the same as his employer's.

An employer is bound to give notice of latent dangers, among which the employe is required to work, and of which the employer has knowledge or should have had knowledge.

A person entering the service of another assumes all risks naturally incident to that employment, including the danger of injury by the fault or negligence of a fellow workman.

The mere fact that an employe was careless in doing a certain piece of work does not show that he was a reckless and incompetent workman, whom it was negligence to employ or keep.

Where a workman knows that the appliances with which he works are defective, and he does not complain to his employer, or representative, of their condition, he assumes the risk of their use.

The fact that a superintendent assures a workman that there is no danger, and tells him to return to work, does not relieve the workman of the assumption of the risk, he being of full age and knowing the danger.

The mere fact that a manufacturer hires an unlicensed engineer to run his boiler does not render him liable to other employes for personal injuries caused by the explosion of the boiler.

An employer is not required to use the most improved kinds of machinery in his factory. It is sufficient that the machinery was reasonably safe and suitable for the purpose for which it was used.

An employer is not bound to anticipate every probable risk which may happen in the use of a machine, but discharges his duty if he give such general instructions as will enable the employe to comprehend the danger.

When an employe's duty to inspect and repair machinery is incident to his use of the machinery in a common employment with other workmen, the employer is not liable to fellow workmen for the negligence of such employe.

An employer who calls a surgeon to aid an injured employe is not liable for the negligence or malpractice of the surgeon, provided the latter had knowledge and skill ordinarily possessed by other surgeons, and the employer had no reason to suspect that the surgeon would fail in his duty.

An employe of mature years who was removed from one employment to another, without objection by him, cannot recover from his employer for injuries received through his unfamiliarity with the machinery which he was required to operate, unless his employer knew of his inexperience in that direction, or was informed of it by the employe.

When the conditions of a mill and the relative situations of the deceased and his fellow workmen would suggest to a person of common intelligence menacing and obvious perils from the use and operation of the machinery, an employe who continues to work in it assumes the risk, though it arises from the negligence of the employer, and the latter is not liable for the death of the employe.—*The Manufacturer.*

Cute Japanese.

"The Japanese are getting too cute," said George Bradshaw of London at the Palmer recently. "They are the cleverest people in the world, I believe. Last winter I traveled all through the land of the Mikado. We arrived at Yosaka one day, and it is quite a small town. We did not know where to stop. There were a number of inns, and we were asked to stop at each one that we passed, but I didn't like the appearance of them. Presently we ran across a neat, tidy place that looked quite English. There was a big sign in front like this:

English, German and French
spoken here.

"That suited us, for we were obliged to communicate with some one in the village, and we could talk but little Japanese. Soon after our arrival we asked for the interpreter.

"'Pardon, master,' mumbled the landlord in cracked English, 'but I have none now.'

"We were just able to understand him. He knew a few English words and we knew a few Japanese.

"'No interpreter?' we exclaimed.

"'No.'

"'Your sign says that all languages are spoken here.'

"'They are.'

"'By whom?'

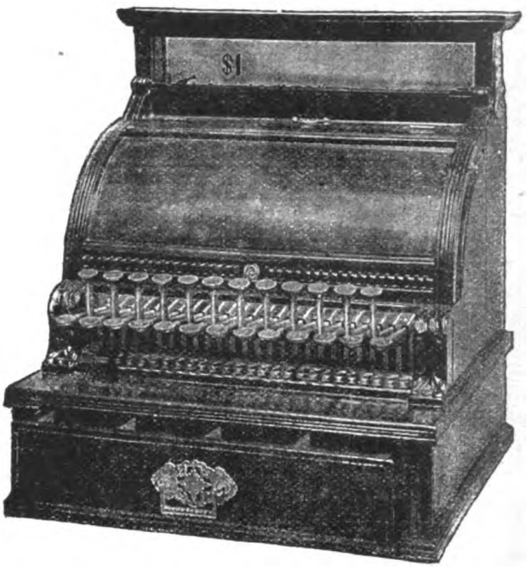
"'The guests. We have all kinds at different times.'"—*Chicago Herald.*

Neal Dow says the first elephant exhibited in this country was Old Bet, which was exhibited at Portland, Me., somewhere between 1815 and 1820.—*Chattanooga Tradesman.*

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Low-Priced Cash Registers.

We offer a new line of detail-adding cash registers at lower prices than similar registers can be bought for elsewhere.



No. 18 Detail Adder—Price $25.



No. 15 Detail Adder—Price $80.

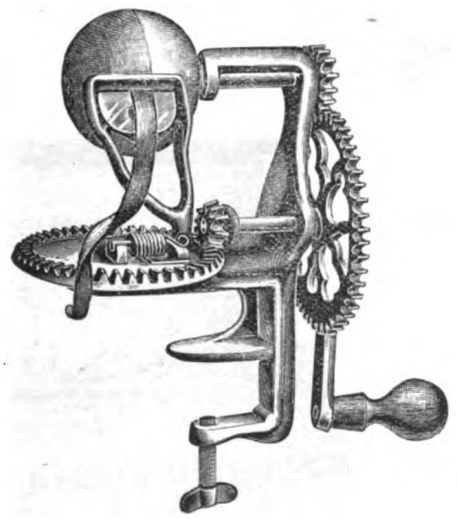
It is also important to probable purchasers that our registers are free from any possible taint of infringement and that persons buying them run no risk of being sued for damages as a result of their use.

We make all kinds of cash registers, ranging in price from $15 to $375. We also sell second-hand registers, taken in exchange for high-grade Nationals. Address department H, The National Cash Register Company, Dayton, Ohio.



No. 19 Detail Adder—Price $40.

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We have had
Thirty odd years Experience

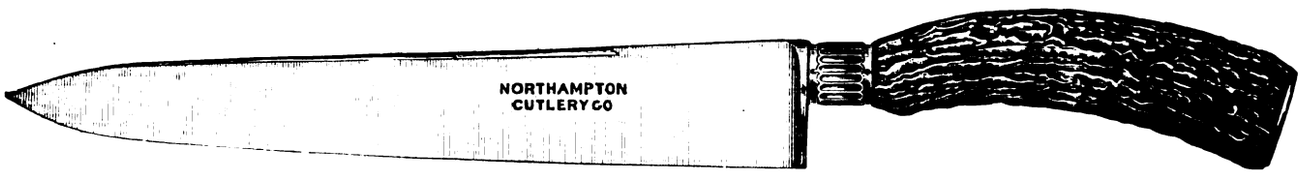
In making Apple Parers, but we don't know how to improve this machine.

THE TURN TABLE APPLE PARER

has just enough machinery about it to pare apples. Every one will do that and do it just as well as any one wants it done. It is just as well and substantially made as can be, and can be sold at a profit. Once sold there's the end of it. In buying Apple Parers price is not the only thing to be considered. Don't forget that. Our book illustrating the largest line of Apple Parers in the world is free. If interested send for it. . . . . .

GOODELL COMPANY, ANTRIM, N. H.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.

New York Office and Salesroom, 96-98 Reade Street.

72 YEARS. ESTABLISHED 1825. 72 YEARS.

Celebrated HEINISCH Shears

ACKNOWLEDGED THE BEST



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

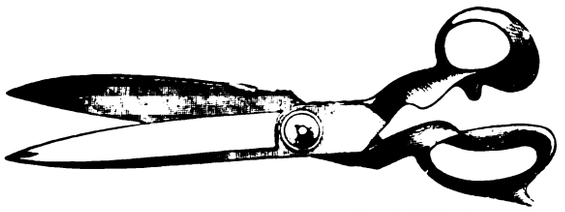
R. HEINISCH'S SONS CO.,

New York Office, 90 Chambers Street. NEWARK, N. J.

RESULTS VERY SATISFACTORY.

Charles Weiland, New York. [*General Hardware*]: I have been a constant advertiser in every issue of your paper since its incipiency. The results derived through the advertisements in your paper have been very satisfactory.

WHEN YOU WANT THE
Best Quality and Finest Finish



SHEARS, SCISSORS & TINNERS' SNIPS

YOU SHOULD HANDLE THOSE MADE BY

J. WISS & SONS, NEWARK, N. J.

We make the Largest line of

Tailor Shears, Trimmers, Barber Shears, Bankers', &c.

WE make a specialty of High Grade Shears suitable for Mill and Factory use. No mechanic can afford to use poor tools. Ours are the BEST in the line, consequently the cheapest. . .

TRADE B MARK
G.W. BRADLEY'S
SUPERIOR QUALITY
CAST STEEL TOOLS
WESTPORT CONN.

BUSH HOOKS, DRAWING KNIVES, TURPENTINE TOOLS, SHIP CARPENTERS' TOOLS,
&c., &c., &c.

Goods carried in stock in New York for prompt shipments

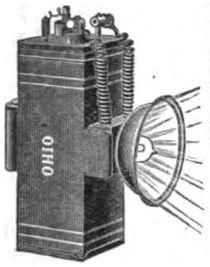
Underhill, Clinch & Co.,

—SELLING AGENTS,—

94 CHAMBERS STREET, NEW YORK.

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WE UNDERSELL ALL.
It gives a Light that's White and Bright,
And two cents is the cost per night.



Bicycle Elec. Lights.	$4.0
Necktie Elec. Lights.	1.50
Edison Elec. Motors.	1.00
Battery Fan Motors.	5.00
8 Medical Batteries.	3.95
$100 Bicycles, best make	39.00
$1.25 Bicycle Bells....	.50
Electric Bells, finest.	.30
Dry Batteries, best..	.25

Discount to Dealers.

Our Bicycle Electric Ligh is the best thing that ever happened. . . . . Catalogues free.

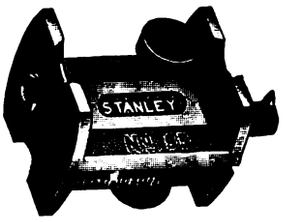
OHIO ELECTRIC WORKS, CLEVELAND, O.

IMPROVED
Labor-Saving
CARPENTERS' TOOLS.

STANLEY.
RULE & LEVEL CO.
New Britain, Conn.

SOLD BY ALL
Hardware Dealers.

STANLEY'S
IMPROVED BUTT GAUGE.



A Metallic Butt Gauge, having one bar with two steel cutters fixed upon it. When the cutter at the outer end of this bar is set for gauging on the edge of the door, the cutter at the inner end of the bar is already set for gauging from the back of the jamb. The other bar has a steel cutter to accurately gauge for the thickness of the butt.

The form of this Tool is convenient for carrying in the pocket. It is so constructed that the bars cannot fall out of the stock.

No. 95. Nickel-plated Butt Gauge, one in a box, $0.75

Hardware Business Ninety-six Years Ago.

Not only was the field of business enterprise restricted, but the transaction of business within that field was slow and difficult. The merchant kept his own books, or, as he would have said, his own accounts, wrote all his letters with a quill, and when they were written, let the ink dry or sprinkled it with sand. There were then no envelopes, no postage stamps, no letter boxes in the street, no collection of the mail. The letter written, the paper was carefully folded, sealed with wax or a wafer, addressed and carried to the post-office, where postage was prepaid at rates which would now seem extortionate. To send a letter, which was a single sheet of paper, large or small, from Boston to New York or Philadelphia, cost 18¾ cents, and to Washington 25 cents, and this at a time when the purchasing power of a cent was five times what it is at present. To carry a letter from Philadelphia, then the capital of the United States, to Boston and bring back an answer by return mail, would have consumed from twelve to eighteen days, according to the season of the year and the weather.—*Atlantic Monthly.*

Why the South Sells Iron in England.

The Atlanta *Constitution* says that "there was a time when the British empire enjoyed a monopoly in the production of iron and looked with scorn upon the products of other countries. Within the last few years, however, our British friends have commenced to doubt the superiority of their domestic iron and to look abroad for supplies. That Great Britain has deigned to become a purchaser of our southern pig iron is not only a most significant fact, but clearly proves that her own product is inferior to the output of southern mines. While our sister State of Alabama is entitled to special congratulation, the victory is one which the entire section can unite in celebrating."

The Chattanooga *Tradesman* adds: "The assumption that British mill and foundrymen and steel makers buy our iron because of its superiority is a mistake. They buy of us because they get the material cheaper than it can be bought at Stockton, Glasgow or Cardiff, that is all. Our southern iron may be a trifle better than the foundry and mill grades of the Cleveland district; but the superiority in quality, if it exists—which we doubt—is not enough to tip the scale in our favor were prices the same. But fifty cents or a dollar a ton lower quotations catches your British manufacturer, accustomed as he is to saving every penny—a habit, by the way, which more of our manufacturers could fall into to their decided advantage. The great fact in our iron exports to Great Britain and her continental customers is that the southern district makes iron so much cheaper than the cheapest cost the British furnaces can reach that our iron undersells theirs in the British markets, leaving the American producer a fair profit. It is a very great achievement, something the most enthusiastic American iron man could not have been made to credit as possible five years ago."

Wanted Spice of Variety in Life.

The expression of the editor's face showed that he was easily irritated, and the contractor into whose office he walked braced himself for trouble.

"I wish," said the irritable man, "that you would do me a favor in connection with the work on my house."

"Anything that we can do will be cheerfully attended to."

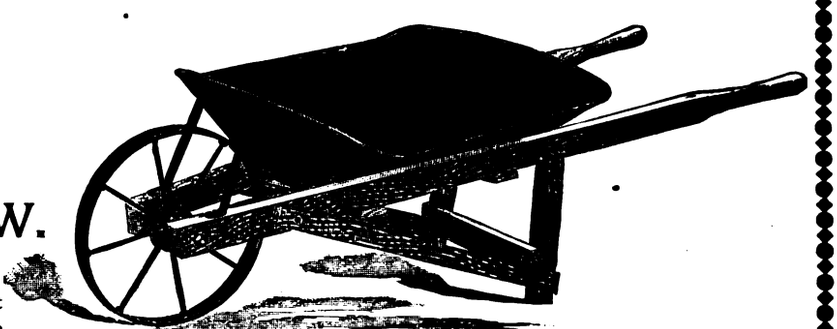
"Thank you. I wish you'd send a new man to do the painting."

"But the one we have there is an excellent workman."

"I don't doubt that. But he's been there three days and he hasn't whistled anything but 'Tell Them That You Saw Me.' I'm pretty slow at catching a tune, but I've learned that with all the variations, and if it's just the same to you I'd like to start in on a new one."—*Washington Star.*

A steel "chest protector" against bullets and knife thrusts, in the form of a vest, has been patented by a Texan.—*Stoves & Hardware Reporter.*

PAN-AMERICAN R. R. BARROW.



With Round Steel Spoke Wheel The most durable, lightest and best barrow made. Used all over the world. Barrows for all purposes.

Write **THE KILBOURNE & JACOBS MFG. CO.**
COLUMBUS, O., U. S. A.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Biscay, Minn.—James Nowak.
Dexter, Mich.—S. A. Sorenson.
Elmwood, Pa.—Charles Beguin.
Flat Rock, Mich.—J. J. Wahl.
Hamilton, Ont.—Thomas Ramsey.
Henderson, Mich.—J. W. Groetch.
Lebanon, Pa.—Charles B. Greenwald.
Osseo, Wis.—Field & Olson.
Walworth, Ill.—J. L. Carr.
West Sullivan, Me.—Patterson & Porter.
Wilmot, S. D.—Ireland & Hougen.

Changes and Removals.

Alexandria, Minn.—Mason & Sims, Sims sells interest to H. A. Le Roy.

Atlanta, Ga.—The Lowry Hardware Co. changes its name to the Anderson Hardware Co. There is no change in the personnel of the management, H. L. Anderson remaining president, with J. B. Barton as secretary, and Sims Bray as treasurer. The capital has been enlarged and the company will continue upon its course of unbroken success with the brightest prospects for the future. The business is fast becoming one of the most flourishing in the Hardware trade of the South and its continued growth will be watched with interest and pride by those who are interested in the future of Atlanta and her many strong business enterprises.

Bancroft, Mo.—H. E. Hosman, sold to Meade Bros. Hardware Co.

Crowley, La.—E. H. Ellis, succeeded by E. H. Ellis Hardware Co., Limited.

Dexter, Mich.—T. S. James has sold his business to F. Boise, who will continue.

Fort Wayne, Ind.—Henry B. Monning, trustee for the defunct Hardware firm of Henry Beuret & Co., disposed of the last of that concern's business. The business had been carried on for some months since the failure of the firm, and much of the stock was disposed of at retail. Recently Mossman & Yarnelle bought in the remaining stock of Hardware for $6500. The office fixtures, safe and furniture were sold to Sponhauer & Crim, the wheel manufacturers, who are fitting up office rooms in their east-side factory.

Garden Grove, Iowa.—J. P. White succeeded by Adams & Stellersburg.

Greensboro, N. C.—The Daniel Hardware Co. sold out, good will, stock and all to Jno. Stewart, M. C. Stewart, and W. E. Phipps. The new concern will be known as the Greensboro Hardware Co., and they are to take charge this month.

Jacksonville, Fla.—H. D. Wyman, before leaving on his tour, sold his stock of Hardware to the A. E. Hill store.

Mankato, Minn.—Clem Schroeder disposed of one-half interest in business to John Murphy, formerly of St. Clair, and in future the business will be carried on under the firm name of Schroeder & Murphy.

Merrill, Wis.—C. F. Smith of Marathon county recently purchased of Van R. Willard the property situated on the north-west corner of East River and South Park Streets. He will remodel the store front building and will open up a farming implement establishment. Other improvements on this property will also be made.

Muncie, Ind.—F. E. Putnam, stock purchased by C. W. Oakley and W. K. Little.

New Lisbon, Wis.—E. Smart has sold his interest in firm of E. & W. H. Smart.

Omaha, Neb.—The Carter Hardware Co. at No. 1405 Douglass Street, successor to the pioneer Hardware firm of Himebaugh & Taylor, has changed ownership, A. S. Carter retiring from the business and disposing of the entire capital stock of the company to Iowa men. The purchasers of the business are C. M. Hickman and G. M. Kirby, merchants, and Day Dunning, a banker, all from Mount Ayr, Ia. Mr. Hickman and Mr. Kirby, who have been here for a time to complete the arrangements for the purchase of the stock, will remain to take active charge of the business. The new owners of the store have engaged Nathan Roberts as general manager, he having been identified with the Carter company almost since its formation. Fred Schrem will be retained as manager of the builders' Hardware department.

Paterson, N. J.—A. R. Christie, the Hardware merchant who does business under the name of George Christie, has secured three floors in the new building at the corner of Washington and Fair Streets, erected by Park Commissioner I. A. Hall, and will move his business from Main Street to the new store which is particularly adapted to the Hardware business.

Salem, Mass.—Morton & Hill, stoves, now Hill & Parker.

St. Thomas, N. D.—Wm. McBride, Hardware, succeeded by Childerhose & Gibson.

Tell City, Ind.—L. C. Lasher, stock purchased by Charles Ebersold, who has taken charge.

Thompsonville, Mich.—J. A. Evist's Hardware store has been purchased by H. Yarger.

Tyndall, S. D.—Chas. Schladek has sold out his business to M. Weissner.

Waterville, Minn.—The Waterville Hardware & Furniture Co., has been succeeded by Edward Minges.

Vincennes, Ind.—A new change in business, the firm of Wegner & Ecker. Mr. Wegner has traded his half interest of general merchandise and Hardware to Herman Westfall and the firm will be known as Ecker & Westfall.

Waynesburg, Pa.—Munnell & Hunnell Hardware Co., reported to have sold out.

Whitewater, Wis.—The Whitewater Hardware Co. has been succeeded by J. P. Coffey.

Wilmot, S. D.—C. C. Draves has sold out his business.

Business Embarrassments

Cobourg, Ont.—Pearcy & Knox have assigned to T. A. Gibson. Assets and liabilities not stated.

El Paso, Ill.—O. C. Guillemont has assigned to Joseph G. Baker. Assets estimated at $1400, and liabilities at $900.

Hume, Ill.—McCaull & Co., stoves and tinware, have made an assignment to O. H. Rogers. Liabilities, $2114 and assets $1000.

Johnstown, N. Y.—Fred. W. Partiss has assigned to Nellis Getman. Assets are reported at $3500 with liabilities somewhat less.

Washington, D. C.—The Pate Hardware & Harness Co., has made an assignment to George G. Eaton. Assets are reported at $6435 and liabilities at $4039.

West Newton, Pa.—Stewart Mfg. Co., agricultural implements, a receiver has been appointed.

Recent Burglaries.

Alexandria, Minn.—Morrissey, Wegener & Alton, loss $40.

Andover, S. D.—B. Carpenter, loss $50.

Antigo, Wis.—H. A. Kohl Co., loss $50.

Ashland, Wis.—B. Garnichts, loss $200.

Cincinnati, Ohio.—Howell, Gano & Co., cutlery, etc., to a large amount.

Collinsville, Conn.—C. S. Smith & Son, loss $25.

Edgerton, Ohio.—F. A. Fasselman, loss $100.

Elk Creek, Neb.—George Kirkner, loss $100.

Herman, Neb.—D. H. Harper, loss $150.

Latrobe, Pa.—N. Ores Hardware store, loss $100.

New Albany, Ky.—Plumer & Co., loss $15.

Omaha, Neb.—Cole & Cole, loss $25.

South Bend, Ind.—Shidler Bros., loss $150.

Sterling, Kans.—J. Hanna & Co., loss $250.

Sumner, Wash.—Baker & Foster, loss $50.

Tacoma, Wash.—Brown & Foster, loss $45.

Wayne, Mich.—Henry Loss, loss $50.

Recent Fires.

De Kalb Junction, N. Y.—Walker's Hardware store was badly damaged by fire in a conflagration the total loss of which is estimated at $40,000, with insurance of $21,000. Six houses and twelve business places were burned.

Pascoag, R. I.—George A. Joslin, damaged by fire.

Pawtucket, R. I.—F. Eugene Barker & Co., stock in warehouse damaged to the extent of $1500; fully insured.

Union Bridge, Md.—Repp & Haines, damage to building and stock $2500; fully covered by insurance.

Utica, Ohio.—D. A. Bricker, total loss; partially insured.

Venedocia, Ohio.—Jones & Jones, Hardware, destroyed by fire.

West Newton, Mass.—The Fiske Hardware store destroyed by fire.

Whitewright, Tex.—C. W. Melson, destroyed by fire.

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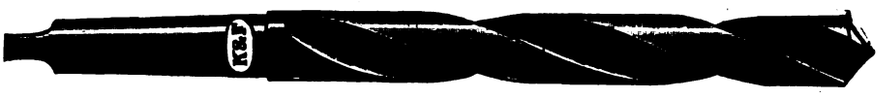
MORGAN & WRIGHT TIRES
ARE GOOD TIRES

VERY COMFORTABLE. YET NOT EASILY PUNCTURED. IT'S THE FABRIC.

MORGAN & WRIGHT
CHICAGO

WAGON UMBRELLAS and BUGGY CANOPIES.
Everything in that line.
Our motto: "Keep a-goin'."
Especial attention invited to
Sprague's Patent Giant Frame Wagon Umbrella.
It is the Strongest Umbrella on the globe.
Write to us, and let us prove it.
SPRAGUE UMBRELLA CO.,
Norwalk, Ohio.





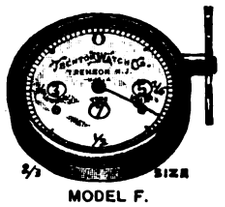
KEARNEY & FOOT CO. 100-102 Reade Street, NEW YORK.
The BEST Drill on the market.



"The SUCCESS OF THE PHILADELPHIA SHOW" . . . WAS THE OSTERMAN BICYCLE BELL.

Rings loud and clear like an electric bell.
The faster the speed the sharper the alarm.
Rings on the slightest pressure of the buttop.
Needs no care.
Never wears out.
Quickly adjusted to any wheel.
Strong, Simple.

AGENTS WANTED IN EVERY TOWN.
MADE ONLY BY
JOSEPH OSTERMAN & CO.,
4411 Main St., MANAYUNK, PA.



MODEL F.

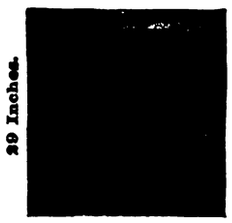
RETAIL DEALERS

Should ask their jobbers for revised prices on Model F—1,000 mile "Midget" Cyclometers. Registers 1,000 miles and repeats. *Price $1.00.* You can make money on them, as they out-sell larger models.

TRENTON WATCH CO.,
Trenton, N. J., U. S. A.

The Bicycle Rider Made Happy By Using
THE STODDER PUNCTURELESS TIRE.
Leave your Repair Kit at home.
It is Puncture Proof, Light, Durable Resilient and Speedy. . . .
No Steel Wire. No Leather Strips.
STODDER PUNCTURELESS TIRE CO.,
54 WARREN STREET, NEW YORK.

Only $1.17 each net
IN DOZEN LOTS.



23 Inches.

Folding Bicycle Stands
Holds Six Wheels.
Wide Tops for Advertising.
FRED. HAWLEY,
40 Gold St., New York City.

THE "SPARK" '97 MODEL
List, $60.
ONE WHEEL. Best Grade. ONE PRICE.
If you're IN LINE for a deal we promise to interest you. Address
CANTON CYCLE MFG. CO.,
Canton, Ohio.



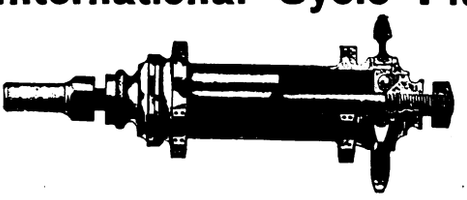


COVERT MFG. CO.,
WEST TROY, N. Y.
Derby Snap,
With Plated, Rust Proof and Guarded Spring. . . .
"The latest and best."
For sale by Jobbers at Manfrs. prices.

DYER & DRISCOLL,
PATENT SOLICITORS, 31 Nassau St., N. Y.

have done all my patent soliciting work, both for this and foreign countries continuously for the past fourteen years.
Thomas A. Edison

International Cycle Fittings Co.



EVERYTHING FOR A WHEEL.
70 & 72 READE ST., NEW YORK, U. S. A.


NEW YORK PATTERN

Buhl Factory and R. R. Milk Cans
WILL OUTLAST ALL OTHERS.
Made of Steel, Perfectly Fitted, Annealed and Tinned. Have the "Victor" Can Breast.
Made in all patterns and sizes.
Every piece of "Buhl" Stock is stamped with the Milk Can Trade Mark. Write for Booklet.
BUHL STAMPING CO.,
DETROIT, MICH.


CHICAGO PATTERN

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Augusta, Me.—The Standard Mfg. Co., has been organized for the purpose of manufacturing electroplated wares and goods of all kinds in which wood, paper, britannia, iron, steel, brass and other metals form component parts, with $50,000 capital stock. The officers are: President, W. A. Perkins of Augusta; treasurer, L. E. Burleigh of Augusta.

Cleveland, Ohio.—The Cleveland Brass Co. has been incorporated to manufacture all kinds of castings in brass, copper, bronze and aluminum; capital stock, $25,000. The headquarters of the company are to be in Cleveland. The incorporators are John L. Caven, Albert Bray, Charles Bahr, W. H. Bosworth and W. P. Mount.

Cleveland, Ohio.—The Cleveland Lock, Nut & Bolt Co., of Cleveland, has been incorporated; capital stock, $10,000. The company is to manufacture bolts, nuts, nut locks and railway equipment. The incorporators are Loftus Cuddy, George G. Sowden, John W. May, George R. Miller, Jr., and F. L. Wanke.

Davenport, Ia.—The Hartman-Eldridge Mfg. Co. has been organized to manufacture the Hartman washing machine, the Hartman egg carrier and the U. S. shade adjuster. The promoters of the new firm are two of Davenport's well-known business men, John R. Hartman and M. L. Eldridge. They have leased the three upper stories of building No. 3 in the Bazaar Block on Brady Street between Front Street and the Levee, and will begin active operations this month. They will also manufacture any wood-work novelties that may come their way. The building was leased and extends over a period of several years. The capital stock of the company has been placed at $20,000. The factory will employ from ten to twenty men.

Dayton, Ohio.—The Patterson Tool & Supply Co. succeed to the business of Callender & Patterson, dealers in iron and wood-working machinery, mechanics tools, and manufacturers supplies. Capital stock, $40,000.

Pittsburg, Pa.—The American Ax & Tool Co., a concern with $2,000,000 capital and no funded debt, was granted a charter under the laws of Pennsylvania by Secretary of the Commonwealth Reeder. This company had a charter under the laws of Kentucky, but the recent corporation laws of that State caused it to seek another State. The concern manufactures tools of iron and steel, and has a large works on Butler Street, Pittsburg. C. W. Hubbard, Jr., is president and the directors are C. W. Hubbard, Jr., Pittsburg; F. T. Howell, Jamestown, N. Y.; Ethan Rogers, Ballston Spa, N. Y.; A. C. and Robert Mann, Mill Hall; Jas. H. Mann, Lewistown; G. T. Lane, Troy, N. Y.; C. W. Hubbard, Pittsburg; Frank E. Mann, Lewistown; G. Hannay, East Orange, N. J.; H. Knickerbacher, New York; C. H. Wier, Baltimore; S. A. Rankin and J. H. Lockhart, Pittsburg, and C. W. Mackey, New York.

Portland, Me.—The Depew Mfg. Co., organized at Portland, for the purpose of manufacturing and doing a general business in mowing machines, lawn mowers, reapers, etc., with $1,000,000 capital stock, of which $800 is paid in. The officers are: President, C. H. Hutchins of Worcester; treasurer, J. Carstensen of New York.

Youngstown, Ohio.—The Girard Stove & Foundry Co., a foreign corporation, organized under the laws of West Virginia, with principal office located at Youngstown, Ohio, has complied with the act of May 16, 1894, relating to foreign corporations, capital stock $50,000, all of which is represented by property owned in this State.

Improved Conditions.

Ashland, Wis.—One of the plants for the Superior Handle Co. has already arrived at Butternut and two more are expected in a few days. It is expected that by the middle of August they will have six of these plants in operation near Butternut, manufacturing the hardwood timber into handles of all kinds. This company has been organized by Col. C. T. Bowen, G. W. Peck, Dr. N. Booth and others and the capital stock of the concern is $25,000, all paid up. The company own 10,000 acres of hardwood timber near Butternut, and when all the plants are in operation they expect to manufacture 100,000 handles daily.

Fort Wayne, Ind.—The Ft. Wayne Lamp Co., headed by R. T. McDonald, will make a specialty of manufacturing incandescent lamps, electric lamp trimmings and fixtures, and it has purchased the plant of the Adams-Bagnal Co., of Cleveland, Ohio, and will remove the same to this city. Henry J. Miller, of this city, and Samuel Insull, of Chicago, with Mr. McDonald are the directors.

Hollidaysburg, Pa.—The rolling mills of the Eleanor Iron Works, which have been idle for a month on account of the puddlers refusing to accept a reduction in wages, resumed operations in all departments the morning after the Fourth. The puddlers went back to work at the company's terms, $2.75 per ton. Two hundred people are affected by the resumption of work.

Lebanon, Pa.—The chain works of the West End Rolling Mill Co., are now running to their full capacity. A large number of additional men have been put to work.

South Bend, Ind. — The South Bend Chilled Plow Co., one of the largest plow concerns in the world, has recently booked among other orders one for twenty-six cars of plows to be sent to Texas. Another order recently received is for 2300 plows to be sent abroad. Arthur D. Baker, head of the growing concern, says that the evidences of returning better times are unmistakable. Their business shows it in every way, and reports which they are constantly receiving lead to the same conclusions.

Stratford, Ont.—The provisional directors of the Perth Flax & Cordage Co. have secured a site here and propose erecting a brick cordage factory, a frame flax mill and a rope walk. The cordage factory will be erected first and plans have been prepared. The building will be 36x114 feet, with a one-story adjunct as an engine room. The contract has been awarded to local firms and the work will be pushed on as fast as possible. It is calculated that at least 200 men will find employment in the works.

Recent Embarrassments.

Boston, Mass.—In the United States Circuit Court, Judge Colt authorized the receivers of the Atlas Tack Co. to pay creditors a dividend of twenty per cent.

Buffalo, N. Y.—The large firm of Plumb, Burdict & Barnard, nut and bolt manufacturers, at North Tonawanda, with offices at No. 75 White Building, is to be dissolved. Attorneys Bissell, Carey & Cooke, representing a majority of the stockholders, appeared before Justice Lambert in Special Term of the Supreme Court and made formal application for a dissolution. They stated to the Court that the business of the firm was so poor that it would not be wise to continue it any longer, and to protect stockholders and creditors it was considered advisable to wind up its affairs. Papers were submitted showing that its nominal assets aggregated $100,000. The amount of its liabilities were not stated. Justice Lambert made an order requiring all persons interested in the concern to show cause on September 20th next why it should not be dissolved, and appointed Charles H. Avery to take proof of all claims against the firm. Homer E. Dudley was appointed temporary receiver of the firm. He was ordered to give a bond of $50,000.

New York, N. Y.—The schedule of assets and liabilities of the firm of Joshua H. Cort & Son, manufacturers of gas and oil stoves at No. 41 Adams Street, Brooklyn, was filed in the County Clerk's office by Assignee Rufus O. Catlin. The liabilities amount to $39,923.69 and the assets $41,863.03.

Sandwich, Ill.—The Sandwich Enterprise Co., manufacturers of windmills, cotton planters, and farm machinery, has made an assignment to D. K. Crawfoot of this city. The liabilities are placed at $200,000. Prior to filing the articles of assignment the company confessed judgment for $50,000, of which amount $38,000 is in favor of the Sedgwick Bank of Sandwich.

Recent Fires.

Bellaire, Mich.—The large woodenware manufacturing plant of Bechtold & Richards is destroyed by fire. Cause unknown; loss, $15,000; partially insured. Seventy men are thrown out of employment. The works will be immediately rebuilt. The town was saved only by great labor.

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THE BANNER

Is the Cycle Lamp for '97.

None as handsome, as practical, nor as thoroughly and honestly made. Throws a powerful, broad light, having a **3-inch optical ground double convex lens.** No lamp so easily cleaned. Has removable top burner and reflector, removable and **reversible oil pot.** The only lamp made with a positive wick-locking device—it acts on the ratchet. Your dealer should have them; until he has will send, carriage paid, for **$3.00,** to any part of the United States.



Rigid Bracket, adjustable to either Post or Fork; Ball and Socket Joint, 50c. extra.
Absolutely Wind Proof.
Will not Jolt Out.
No Solder to Melt.
Fills on Outside Oil Fount.
Solid Brass, Heavily Nickeled.
Burns Kerosene in Packed Fount.
No Splashing.
Handsome Side Lights.

5½ INCHES HIGH.

New York. Boston. Chicago. **PLUME & ATWOOD MFG. CO.**
FACTORIES: Waterbury and Thomaston, Conn.



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Bicycle Pump



MADE WELL!
SELLS WELL!
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Fills Tires Quicker
Than Any Other Pump.

Connecting nipples all accurately threaded, and will fit all the well-known tires.

Write for Trade Prices
Special Inducements to the Jobbing Trade.

Henry Haas & Son,
551-553 West 35th St., NEW YORK.

JOB LOTS OF HARDWARE

I buy and sell in any quantity complete lines of **HARDWARE. MANUFACTURERS** having **JOB LOTS** will find me a ready purchaser. **RETAIL DEALERS** will find my prices lower than any house in the business. . . .

A. N. JACOB, 491-493 Broadway, NEW YORK.

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HARDWARE MANUFACTURERS' AGENTS,
124 Chambers St., New York.

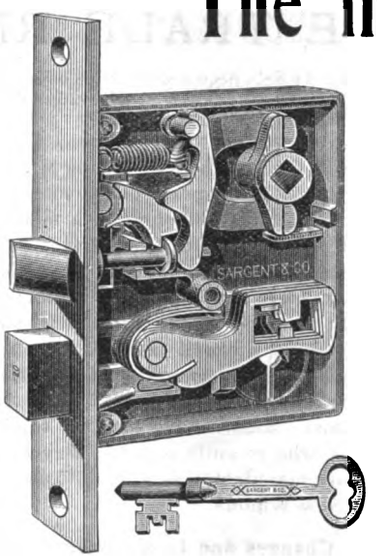
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MASON & PARKER. J. B. TATEM & SON.
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GEO. F. TAYLOR'S SONS,
80 PINE STREET,
NEW YORK.

BONE BLACK

For Tempering and Filtering Purposes.

The inside of a lock



is the important part. That is where the work is done—in more ways than one. An examination of Sargent's Easy Spring Locks will show that they are well made inside as well as outside. The easy spring principle is a great advance and adds many years to the life of the lock. "Our Little Red Book" explains it. Send for a copy.

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A Great Seller!

At a Good Profit.

Pike's Quick Edge Pocket Knife Hones, in display box, a practical sharpener for knives and scissors.

Send for Prices.

Scythe Stones, Oil Stones, Razor Hones, Etc.

THE PIKE MFG. CO.,
Pike Station, N. H.

REMEMBER THAT

DIAMOND CHAINS

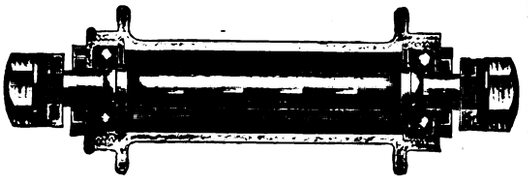
Are fitted with the ONLY PRACTICAL HARDENED RIVET MADE and don't fail to specify them when ordering wheels. . . . .



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R. B. McMULLEN & CO., Chicago and New York, General U. S. Sales Agents.
New York Depot, J. S. Leng's Son & Co., 4 Fletcher Street.
Boston Depot, Very Cycle Co., 245 Columbus Avenue.
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SIMPLE SOLID SENSIBLE TIGER Bicycles.



No Castings! No Freaks! No Nonsense!

THREE GRADES,

$100, $75, $60.

Send for Art Catalogue M.

STODDARD MFG. CO., Dayton, Ohio.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Stores.

Chester, Pa.—Sam'l Evans has opened a bicycle repair shop at Second and Market Streets, Marcus Hook.

Colorado Springs, Colo.—George Mayer, bicycles and Hardware, will establish a branch house.

Fairhaven, N. J.—R. D. Chandler has opened a bicycle emporium in the store formerly occupied by F. Little.

Meilnor, N. D.—H. K. Pennington & Co., Hardware, sporting goods, etc., have opened a new store.

Okome, Pa.—G. W. Dennison & Son have opened a large bicycle repair shop.

Pontiac, Ill.—The Coleman Cycle Co. is newly established on Madison Street, one block west of the square, and is conducted by F. S. Coleman, who has for some time been engaged in the same line of business at Marion, Ind.

Tempe, Idaho.—Fred. C. Mock, Hardware, sporting goods, etc., has just commenced business.

New Companies, Agencies, Etc.

Buffalo, N. Y.—Buffalo is to have another bicycle factory. The new company is to be known as the Union Cycle Works of Buffalo, N. Y. A long lease of the building at No. 319-321 Ellicott Street has been secured and it is being fitted up as a model place. At present the ovens in which the enameling is to be done are being constructed. Workmen, union workmen, are the prime movers in this concern. They are the stockholders and promoters. It is to be a strictly co-operative company and the workingmen will have everything to do with the management of the company.

Des Moines, Iowa.—The Rubber Tire Wheel Co., of Springfield, has opened a branch house in this city.

Knoxville, Tenn.—The Knoxville Cycle Co. is the name adopted by the successors of the Bayzarian Cycle Co. at No. 312 North Gay Street in the Caswell Building. S. J. Morton will be in charge. Mr. Morton has secured the services of C. E. Howson, who will have charge of all work. Mr. Howson is an expert bicycle man, having been three years in the Crawford factory at Hagerstown, Md., as model wheel builder.

New York, N. Y.—Garfield Cycle Co. has been incorporated by Robert Goeller, John F. Hessen and R. Llewellyn Rees. Capital stock $1000.

Philadelphia, Pa.—The Tiger Cycle Co., No. 1121 Market Street, have moved into their new store at No. 1534 Market Street.

Philadelphia, Pa.—The Provident Bicycle Association, has been formed for insurance of bicycles against loss by theft.

St. Louis, Mo.—The Cycle Frame Coaster Co. has been incorporated by W. E. Grayson, L. P. Curtis, and John W. McCargo. Capital stock $10,000.

Toledo, Ohio.—The Kirk-Young Mfg. Co., H. J. Young has disposed of his interest to his partners, and will organize a new company for the manufacture of bicycles.

Washington, D. C.—The Sylph-Winton Agency, bicycles, Sixth and F Streets, N. W., have made addition to their store. They will do a rental business, which will be under the management of Mr. Harry Seamark.

Winona, Minn.—Lalor & Co., carriage makers, who recently added a bicycle factory, are manufacturing a wheel known as the "New Winona."

Changes and Improvements.

Bayshore, N. Y.—Willey & Oakley, bicycles, sporting goods, etc., succeeded by A. A. Willey.

Charleston, S. C.—Charleston Cycle Co. succeeded by the Southern Cycle Supply Co.

Dallas, Tex.—The Young Cycle Co. has closed out its business.

Darlington, S. C.—W. G. Dickson, bicycles, has enlarged his quarters and will manufacture, sell and repair wheels of all kinds.

Denver, Colo.—A. Lillyblade, furniture, bicycles, etc., No. 1717-1723 Lawrence Street, closing out stock.

Emporia, Kans.—J. L. Suppe & Co., bicycles, etc., will move their stock to Joplin, Mo.

Franklin, Ind.—Van Vleet & Lacy, bicycles and sporting goods, succeeded by Van Vleet & Van Vleet.

Lebanon, Pa.—Keystone M. & M. Co., West Walnut Street, extensive improvements are being made in factory, so as to increase the manufacture of bicycles.

Middlesboro, Ky.—George M. Stains reported to have sold to Arthur E. Crone.

Modesto, Cal.—Minnear & Young, bicycles, have dissolved partnership, Mr. Minnear retiring and Mr. Young continuing the business.

Toledo, Ohio.—One of the best known firms in the bicycle sundry business in America and foreign countries is F. W. France & Co., with headquarters at Rochester, N. Y. Mr. France has been in the city on several occasions and has made a deal with A. U. Betts, of the firm of A. U. Betts & Co., the well-known bicycle sundry dealers located in the Marine Building, at the corner of Water and Jefferson Streets. As a result of the deal the firm of A. U. Betts & Co. passes into the hands of his firm.

Toledo, Ohio.—The Ojisto Cycle Co. plant and machinery purchased by Uhl Bros.

Toronto, Ont.—McLean & Oakley, bicycles, will close out business. The break in the price of high grade United States wheels will prevent their firm from continuing manufacturing at a profit. It is said that several other Canadian firms will follow their example.

Washington, D. C.—Parsons & McGee reported to have dissolved partnership.

Recent Embarrassments.

Hazleton, Pa.—George N. Lord, bicycles and novelties, has failed. Liabilities, $2000.

Indianapolis, Ind.—On the application of the Indianapolis Chain & Stamping Co., Judge Carter appointed Charles E. Rockwood receiver of the Central Cycle Mfg. Co., manufacturers of the Ben-Hur bicycle. The receiver was ordered to continue the business of the company, and all orders on hand will be filled without interruption. Lucius M. Wainwright, president of the company, expressed the hope that the company would be able to recover from the business depression that led to the receivership. The estimated liabilities of the company are about $94,000, with assets worth about $125,000, including a plant valued at $40,000, accounts and bills receivable amounting to $45,000, with real estate, materials and stock on hand to bring the total up to the figure mentioned.

Kansas City, Mo.—Lawrrance Bros. Cycle Co. reported to have made an assignment.

Milwaukee, Wis.—Moscrip & Holt Co., bicycles and vehicles, reported to have made an assignment.

New York, N. Y.—New York Bicycle Equipment Co., No. 257 Broadway, Samuel B. Lawrence appointed permanent receiver by Judge Lawrence, of the Supreme Court, who also granted an order dissolving the corporation. The liabilities are $10,597; assets, $5507.

New York, N. Y.—Oliver & Strauss, dealers in bicycle supplies at No. 23 Park Row; schedules show direct liabilities, $55,293; contingent liabilities, $32,049; nominal assets, $97,920; actual assets, $6351. The contingent liabilities are indorsements on notes.

Woodstock, Ont.—The New Barnes Cycle Co., Limited, are in the hands of a receiver. The assets are probably more than $60,000, showing an estimated deficiency of about $10,000. There is also due some wages, which will amount to from two to three thousand dollars.

Worcester, Mass.—The Worcester Cycle Mfg. Co., Frank Sullivan Smith, receiver, has taken possession. Mr. Smith said he had a contract for 450 wheels to send abroad, and the purchasers had agreed to put up bonds for payment as soon as the wheels were ready for shipment. He had also a number of other orders, and had no doubt but that the company could pay 100 cents on a dollar in a short time.

Recent Fires.

Boston, Mass.—O. J. Faxon, bicycle manufacturer, etc., damaged by fire to the extent of $15,000.

Boston, Mass.—The Ideal Trading Co., dealers in bicycle supplies, damaged by fire.

New Orleans, La.—Walter H. More, sporting goods, damaged by water.

Vancouver, Wash.—Walter W. Wintler bicycles, destroyed by fire.

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One Best THE Sterling.

Bells of all Description.
Send for Catalogue.

N. N. HILL BRASS CO.,
East Hampton, Conn.

Bells.



The bells of the ball on her escort leaned,
And so very happy the dear girl seemed,
That he took her aside to a cosy retreat
And told her the story that's always so sweet.



She perked up her lips, so enticing and fair,
And his own were reaching the heaven that's there,
When she said, "Dear boy, this is only a sell.
You'll first have to buy me that 'Climax' bell."

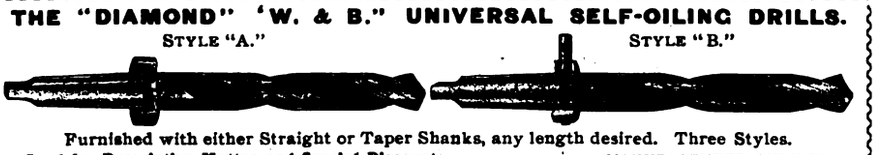
The new 1897 model "CLIMAX" Bell possesses without doubt the most improved Lock Clamp known. Can be adjusted to the Handle Bar quickly without removing the screw, thus saving all vexatious worriment in the operation, and at the same time presents a more attractive appearance than any other kind of an attachment.

We have just published a handsome little booklet to be carried in the vest pocket, containing lots of valuable information for the benefit of wheelmen. Send us a two-cent stamp and we will mail you a copy.

Climax Bell Co., 403 Washington St., Boston, Mass

THE "DIAMOND" 'W. & B." UNIVERSAL SELF-OILING DRILLS.

STYLE "A." STYLE "B."



Furnished with either Straight or Taper Shanks, any length desired. Three Styles.
Send for Descriptive Matter and Special Discounts. MANUFACTURED ONLY BY
THE WHITMAN & BARNES MANUFACTURING CO.,
NEW YORK, N. Y. CINCINNATI, OHIO. CHICAGO, ILL. KANSAS CITY, MO.

1, 2, 3, 4, 5, 6, 7 are the numbers of the different grades of

REMINGTON Double Barrel Shot Guns.

No. 1, $30.00 *No. 1, $30.00*

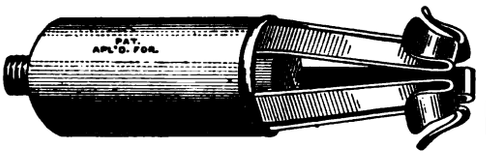


Strong, Simplest, Most Durable and Best Balanced Gun Made.

Bar Locks, new style low circular hammers, rebounding, pistol grip extension rib, double bolt, solid strikers, matted rib, Deeley & Edge fore-end, checkered grip and fore-end, rubber butt, both barrels choke bored. Seven different grades listing from $30 00 up to $100.00 and every one guaranteed for Nitro Powders. SEND FOR ILLUSTRATED CATALOGUE. Remingtons are sold by all dealers.

THE REMINGTON ARMS CO., - - ILION, N. Y.
New York Office, 313-315 Broadway.

FITS ANY GAUGE.



Price, 75 cents.

THE

Favorite Gun Cleaner

Removes thoroughly all deposit from gun barrels without injury.

SEND FOR SAMPLE.

The Bridgeport Gun Implement Co., *313-315 Broadway, New York City.*

AMES SWORD CO., Chicopee, Mass.



OUR SPECIALTIES: **PERFECTION PADLOCKS,**

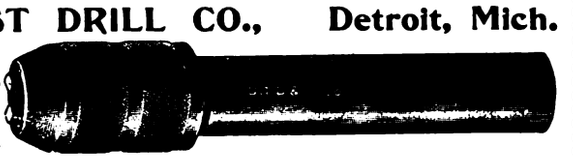
All sizes, ½ inch to 2½ inches.

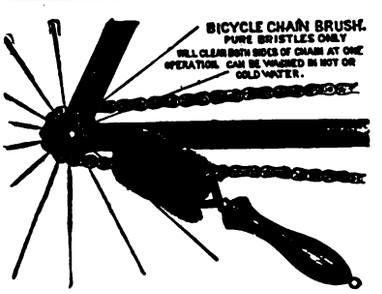
PROTECTOR REVOLVERS, THE GREATEST NOVELTY OF THE AGE.

Compressed Seam Fork Sides & Handle Bars. *CORRESPONDENCE SOLICITED.*

DETROIT TWIST DRILL CO., Detroit, Mich.

Sole Manufacturers of
Graham Grooved Shank System of Chucks and Drills.
. . . SEND FOR CATALOGUE.





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PRICE 25 CENTS.

——Sent by mail upon receipt of price.——

Hall & Downing,
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NEW YORK.

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"THE BEST OF ITS CLASS."

John M. Holladay, Holladay, Va.: HARDWARE is so nicely gotten up, and so well edited, giving such a variety of information, yet costs so little, that I cannot see how any dealer in Hardware can afford to be without it. It is the best paper of its class.

"A HELP TO OUR BUSINESS."

N. G. Bickford & Son, Mount Holly, N. J.: Please send us HARDWARE for one year from January 1st. Enclosed you will find the price of subscription. After examining the copy sent us we find the paper will be a help in our business.

"THE MOST HELPFUL AID."

Pike Mfg. Co., Pike Station, N. H. [*Whetstones, Oil Stones, etc.*]: We like to keep our name and our wares before the public in a modest way. We have found HARDWARE the most helpful aid toward accomplishing that purpose.

"VERY USEFUL TO US."

J. A. Ross & Co., Boston, Mass.: We find HARDWARE very useful to us, as well as interesting. Considering the quantity and quality of matter in each issue, the subscription price is very low for a semi-monthly magazine.

"THE BEST THING OF ITS KIND."

W. L. L. Morrow, Purdy, Mo.: I regard HARDWARE as the very best thing of its kind I have ever seen, and really at the low price of subscription, I cannot see why it is not in the hands of every dealer in Hardware.

"SUBSCRIBE WITH PLEASURE."

Brown & Gilbert, Boston, Mass.: Please find enclosed $1 in payment for HARDWARE. We have found HARDWARE very useful and instructive, and subscribe for the coming year with pleasure.

"IS JUST RIGHT."

Alling & Lodge, Madison, Ind.: We enclose $1 to pay for our subscription to HARDWARE for one year from date. Your paper is just right; don't make it too big so one can't find anything in it.

"WORTH DOLLARS TO DEALERS."

J. T. Morris, Cleveland, Ohio: HARDWARE is a bright, spicy journal, and I look forward to its arrival as one of the family. The Prices Current quoted by it are worth dollars to any dealer.

"OF INTEREST TO LIVE DEALERS."

Van Voorhis & McNair, Crawford, Neb.: We like the journal very much. It always comes to our desk full of bright, sound matter, that cannot but be of interest to all good live dealers.

"IN YOUR COLUMNS FROM THE FIRST."

Van Wagoner & Williams Hardware Co., New York and Cleveland. [*Hinges, Anvils, etc.*]: Having been represented in your columns almost from the first issue, we have a feeling of pride and pleasure in your achievements.

"ADVERTISEMENTS HAVE GIVEN RESULTS.

W. C. Heller & Co., Montclair, N. J. [*Mail Boxes, Grips, Plows, etc.*]. Our advertisements in your columns have given results that assure us that they are closely watched by the trade.

"BEYOND CRITICISM."

Wm. Jessop & Sons, New York. [*Steel manufacturers*]: Another five years as proportionately successful as HARDWARE's last will place it almost beyond the criticism of friends or competitors.

"MUCH PLEASED WITH IT."

Chas. N. Vittum, Laconia, N. H.: I am pleased to be one of your subscribers, as I am very much pleased with HARDWARE. I think it a very useful and interesting journal.

"VERY MUCH PLEASED."

The Banks Hardware Co., Henderson, Ky.: Enclosed find Post Office order for $1, our subscription to HARDWARE. We are very much pleased with the publication.

"A VALUABLE ADVERTISING MEDIUM."

Harvey Hubbell, Bridgeport, Conn. [*Machinery and Tools*]: We are very much pleased with your paper, and consider it a valuable advertising medium.

"JUST THE PAPER RETAILERS WANT."

Henry E. P. Pritchard, Philadelphia, Pa.: Enclosed find $1 for which please send me HARDWARE for one year. It's just the paper retailers want.

"EXPERIENCE MOST SATISFACTORY."

Partrick & Carter Co., Philadelphia, Pa. [*Electrical Goods*]: Our experience as advertisers with you has been of a most satisfactory character.

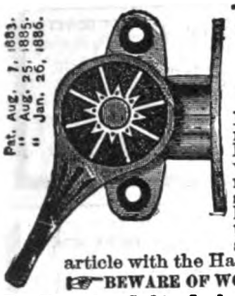
"WORTH WHAT IT COSTS."

Spence & Co., Keene, N. H.: Enclosed find $1 to pay for HARDWARE for one year. We think it well worth what it costs.

"WELL PLEASED WITH IT."

Jacob Schmitt, Louisville, Ky.: I am very well pleased with your paper, and find some very interesting reading in it.

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Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

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We have a Hand Elevator especially adapted for use in stores, warehouses, etc., and we are sole manufacturers of

The Philadelphia Dumbwaiter.

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Energy Manufacturing Co.,

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THE "PLYMOUTH"



A pattern remarkably different from the ordinary. The height of originality and exclusiveness with new bowl and fine designs. 40 different pieces comprise the set. . . . .

IT'S ALL READY.
IT'S THE LATEST OUT.
IT'S MADE ONLY IN THE

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Would like your business.





Their goods sell QUICK.

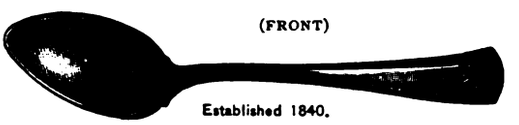
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YOU Can Guarantee Them.

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

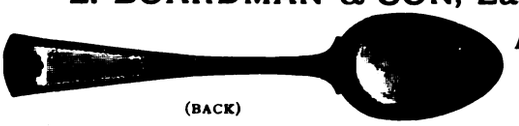
Highest Grade of Silver Plated Ware In Spoons, Forks, Etc.

Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.

Write for Catalogue and Prices.

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Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

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WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

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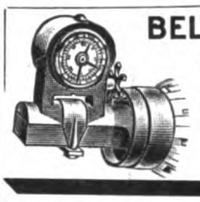
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"WE ARE RECEIVING GOOD RESULTS."

Clayton & Lambert Mfg. Co., Ypsilanti, Mich. [*Gasoline Fire Pots and Paint Burners.*] We are receiving good results from the advertisement which is running in your paper, and believe the service which you are giving us, is extra good. We trust that our relationship for the coming year will be as pleasant and profitable as have those of the past, and feel very confident that it will.

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1 oz. bottles per gro. $5.00
2 oz. bottles per gro. $8.00
OVAL, BEVELED, TRILATERAL, HEXAGON.
JOHNSTON'S IMPERIAL CARPENTERS' PENCILS.
—HIGH GRADE.—
Price per gro. $5.00.
J. D. JOHNSTON, Newport, R. I.


BELL ODOMETER
For Carriages.
Records the distance traveled. Write for descriptive Circular H.
DAVIS, STEBBINS & CO.
Boston, Mass.


Star ★ Lathes
Foot power
Screw cutting
Automatic
Cross feed
9 and 11-inch Swing.
—New and Original Features.—
Send for Catalogue B.
SENECA FALLS MFG. COMPANY,
334 Water St., Seneca Falls, N.Y.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

—ESTABLISHED IN 1874.—
ROCKFORD TACK COMPANY, ROCKFORD, ILL.
MANUFACTURERS OF
HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.
Also a full line of Shoe Finder's Tacks and Nails.
—Orders Solicited.—
Prices and terms quoted promptly on application.

If you would use only the best use
Barnes National Writing Ink and Mucilage.
BARNES NATL. INK CO.,
NEW YORK & PHILADELPHIA.

What Every Family Needs.
Pure Washed Filteration Quartz, free from all mineral impurities. Can be used in any filter or through cloth. . . Sold only by
The New England Filteration Co.,
564 Washington Street, Boston.

PATENT FOR SALE of a valuable Tinware Specialty already favorably before the trade. Offers wanted. Sample on application. Address
HOT COFFEE DINNER PAIL CO.,
Newark, Wayne Co., N. Y.


HOUSEFURNISHING HARDWARE & HARDWARE SPECIALTIES.
Basting Spoons, Cake Turners, Mincing Knives, Ice Tools, Tack and Nail Hammers, Hatchets, &c. Champion Cross Cut Saw Handles, &c.
KNAPP & PRATT MFG. CO.,
GENEVA, OHIO.

TURNBUCKLES.

MERRILL BROS.,
466 Kent Avenue, Brooklyn, E. D., N. Y.

One of the Best Mediums Known.
C. T. Williamson Wire Novelty Co., Newark, N. J. [*Corkscrews*]: To present new goods to the trade we consider HARDWARE one of the best mediums known.

. . . HEARTILY RECOMMEND "HARDWARE."
E. T. Barnum, Detroit, Mich. [*Wire Goods*]: We heartily recommend HARDWARE to those desirous of reaching the largest number of dealers.

Hardwaremen's Exchange.

Notices of ***HELP WANTED*** *or* ***SITUATIONS WANTED*** *will be inserted in this column free of charge. Should not exceed Four Lines.*

ALL OTHER NOTICES, *twenty-five cents per line.*

Help Wanted.

WANTED—First-class traveling salesman to canvass manufacturers for the sale of Hardware, factory and mill supplies. Good salary will be paid to the right man. Address MANUFACTURER, care HARDWARE Publishing Co., No. 143 Chambers Street, New York.

WANTED resident agents in all cities not already covered, to sell our National Feed Boxes. This article is a startling success and has no competition. Active canvassers can make good profits. Address NATIONAL FEED BOX CO, No. 137 McGraw Building, Detroit, Mich.

A FACTORY superintendent wanted—A thorough mechanic with $3000 to $5000, must be a good Tool and Die maker who is able to take full charge of a Specialty Hardware and Stamping Factory; to such a man a good opportunity is offered. State experience and references. None need apply knowing they cannot fill requirements. Address HENRY BERG, No. 375 Kennard Street, Cleveland, Ohio.

RESIDENT agents wanted in all parts of the country to handle fastest selling and best paying Hardware specialty on the market. Address with references, stating territory desired, etc., MANUFACTURER, care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

POSITION wanted by thoroughly experienced man either as clerk or salesman; first-class references. Address G. B W., No. 28 South Fifth Avenue, Mount Vernon, N. Y.

WANTED—Situation as manager in small Hardware and repair store with a view to purchasing business on easy terms. Age, 26. Eight years' experience in wholesale and retail Hardware in New York City. Address TAYLOR, care HARDWARE, No. 143 Chambers Street, New York.

THOROUGHLY experienced bookkeeper and office correspondent desires situation as accountant or cashier in a Hardware house. Highest references. Bond furnished if desired. Address COMPETENT, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted by a salesman well known among the Hardware, Housefurnishing goods and Department store trades; fifteen years' experience in New York and New England; best of references. Address H. N. P., care HARDWARE, No. 143 Chambers Street, New York City.

YOUNG man, aged 22, excellent writer and figurer, ambitious and competent, experienced in Hardware line; reference and bonds; desires position as Bookkeeper Assistant, Bill, Entry, Office or Shipping Clerk and Collector, etc. Address HOFFMAN, No. 11 East 106th Street, New York City.

EXPERIENCED Hardware salesman with large acquaintance in the South, desires position as traveling salesman to represent Hardware manufacturer or commission house. Is a native of the South and has about twenty years' experience on the road. Would be willing to take other territory than the South. Unexceptionable reference given. Address "HARD WORKER," care HARDWARE, No. 143 Chambers Street, New York.

POSITION by young man of ten years' experience in Hardware business. Have had experience both on road and in store. J. E., care HARDWARE, No. 143 Chambers Street, New York.

BICYCLE repairer and builder wants position with Hardware store handling wheels to make repairs and build to order new wheels during the season; other odd jobs in winter. GEO. GOULD, No. 114 Freeport Street, Dorchester, Mass.

AMERICAN, 30 years old, would like to hear at once from manufacturer desiring Boston manager or representative. Advertiser is competent to buy or sell goods, is a practical bookkeeper and correspondent and understands advertising. Seven years' business experience and as traveling salesman. Reference as to character, ability and temperate habits. Address H. G. C., P. O. Box 2981, Boston, Mass.

WANTED—Young man, business correspondent and office manager of fifteen years' practice would accept position with manufacturing company or jobbing house. Or would manage branch office or travel in the far West and Pacific Coast. Address BUSINESS, Drawer No. 79, Milledgeville, Penn.

POSITION as salesman, indoor or road; Philadelphia, or New York and vicinity preferred; 20 years' experience Hardware and cutlery, eight on road; thoroughly posted. Address DAVID HUGHES, No. 1121 G Street, N. E., Washington, D. C.

BY a thorough Hardwareman, aged 32 years, 18 years' experience; situation as either in or outdoor salesman; can furnish best of references. Address G. B. W., No 28 South Fifth Avenue, Mount Vernon, N. Y.

EXPANSION BOLTS

For fastening all kinds of structure to brick and stone work
Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue B. Toledo, Ohio

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Situations Wanted.

RAZOR manufacturing foreman desires to change location; 21 years' experience. Any good cutlery concern wishing to make their own razors, might increase their profits by addressing RAZOR MAKER, care HARDWARE, No. 143 Chambers Street, New York.

A TRAVELING salesman with seven years experience in builders and general Hardware; can furnish A1 references as regards ability and integrity. Address A. P. H., care HARDWARE, No. 143 Chambers Street, New York.

A MIDDLE-AGED man of an extensive acquaintance in Eastern North Carolina wishes a position as a traveling salesman of Hardware; can command a good trade. Address L. R. LAND, Norfolk, Va.

DIE-MAKER—Position wanted. A1 practical die and tool maker, well up in all latest improved dies and tools for novelty or general Hardware, Dies for Blanking, Drawing, Stamping, Forging, Piercing, etc., for all sheet metals as Brass, Iron, Steel, Aluminum, etc., well up in modern shop methods to increase production; can design and develop ideas; have had ten years' experience in best shops of Massachusetts and Connecticut. Can accept first week in May. Best of references as to ability and character. Address DIE MAKER, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Situation as house or traveling salesman with Hardware or bicycle house. Fifteen years in retail Hardware and six with bicycles. Also have traveled a little. Can give best of reference. Address L. B. 84, Castile, N. Y.

WANTED—Thoroughly experienced bookkeeper, correspondent or office man desires position with responsible wholesale or retail firm. Address J. G. R., box No. 533, Lake Mills, Ia.

WANTED—By young man a position in wholesale or retail Hardware store, inside or outside. Have had six years' experience; can give all references; speak German and English. Address RELIABLE, care of HARDWARE, 143 Chambers Street, New York.

YOUNG man, 21, over six years' experience in offices of large Hardware concerns. Best references. Good writer and figurer. Ambitious. Address A. B. H., No. 41 East 106th Street, New York City.

YOUNG man (28) practically experienced in manufacturing and selling metal ware, moderately familiar with important European languages, wants position with concern intending development of foreign trade. Willing and able to do any other work in addition when desired. A. M. ENERGETIC, care HARDWARE, No. 143 Chambers Street, New York.

By a man who has had sixteen years' experience in the Hardware line. Knows entire business and acquainted with city trade and trade within a radius of 100 miles of New York City. Address, TROWEL, care HARDWARE, No. 143 Chambers Street, New York.

Position wanted by a young man 27 years of age, eight years' experience in wholesale Hardware business, Bicycle and Export business, as Stenographer and correspondent. Understands office work thoroughly; also book-keeping. Export business preferred. Address, K., care HARDWARE, No. 143 Chambers Street, New York.

WANTED position with wholesale Hardware house, or stove manufacturer, as traveling salesman, or grocery house. Have had experience, especially on the road. Best of references furnished. Address M. U. N., care HARDWARE, No. 143 Chambers Street, New York.

DESIRED by a practical Hardwareman a permanent position with some live house. Understands thoroughly builders' Hardware and mechanics tools. Salary moderate; reference of the best. Address PRACTICAL, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted.—A salesman well known among the Hardware export, housefurnishing and department store trade is open for engagement. Address H, care of HARDWARE, No. 143 Chambers Street, New York

Side Line Wanted.

A TRAVELING salesman wishes a good side line for Illinois, Missouri, Iowa, Kentucky, Indiana and Ohio. Address I. N. D. care HARDWARE, No. 143 Chambers Street, New York.

A WELL-KNOWN firm, representing several factories as New York office, wishes to add at least three good lines either on commission or salary. Address MANUFACTURERS' AGENT, care HARDWARE, No. 143 Chambers Street, New York.

WANTED.—Side line, by salesman calling on the Hardware trade. Address M. A. N., care of HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

LIBERAL inducements offered to salesmen to sell Mica as a side line. Address MICA, care HARDWARE, No. 143 Chambers Street, New York City.

MANUFACTURER of staple line of goods and Hardware specialties wants a representative in each of following cities: Montreal, Boston, Chicago, Detroit, St. Louis, Cleveland, New Orleans, Baltimore, Philadelphia, Atlanta, Kansas City, St. Paul; on commission basis. Address A. B. C., care HARDWARE, No. 143 Chambers Street, New York City.

Side Line Offered.

WE offer good side lines to those calling on Hardware, harness, carriage manufacturers and department stores, both wholesale and retail. Address FERNALD MFG. CO, North East, Pa.

WANTED a Commission House to market in the United States a Hardware Specialty. Address Box 255, Perth, Ont.

SALESMAN wanted who calls on the retail Hardware and drug trade in New York State and Pennsylvania to sell a line of Razors Strops as side line. Address "B," care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN wanted visiting the Hardware trade, to sell a high grade metal polish. Good inducements. Address CROSS, care T. J. Nay & Co., Nos. 18 and 20 Franklin Street, Brooklyn, N. Y.

PARKER'S Folding Bicycle Stand—a good seller and profitable. Address F. HAWLEY, No. 40 Gold Street, New York.

Tools Wanted.

COMPLETE set of new or second-hand Tinners' Tools wanted, Stowe's make preferred; must be cheap. Address J. S. RIDENOUR, Jackson, Ohio.

Store Wanted.

TO BUY—Wanted a Hardware store. Address E. I. P, care A. Seelig, No. 10 Second Avenue, New York.

A Business Wanted.

$200 and services to invest with machines for stitching, cutting and punching leather goods, also lathes and tools for mechanical repair work. Age, 26. Eight years' experience in wholesale and retail Hardware in New York. Will buy out small business or go in with partner. This is an opportunity to increase or sell your business. Address No. 410, care HARDWARE, No. 143 Chambers Street, New York,

For Sale.

$1000 Buys a well-established Hardware, commission, and bicycle business with lease and store fixtures in one of the most desirable locations in the city; a great opportunity for a young man who is energetic and willing to work; reason for selling, change in business. Address B. P., No. 37 Pearl Street. Boston, Mass.

A CLEAN stock of Hardware and stoves in county seat of best agricultural county in Ohio. Established business. Must give attention to other interests. Address "NORTH," care HARDWARE, No. 143 Chambers Street, New York.

Attention! Hardware Dealers!

WANTED—Hardware dealers who handle bicycles to write us for particulars regarding Norwood Bicycles. HALL & DOWNING, No. 82 West Broadway, New York.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Agent Wanted.

WANTED—An energetic man; one who is acquainted with the Hardware, cutlery and kitchen furnishing trades of New York City, to take the general agency and push the sale of a first-class Emery knife sharpener. Address P. H. JOHNSON, Upton, Mass.

Agency Wanted.

SOME first class agencies in Hardware, Cutlery and Tools by a party who now has a prominent agency and has had twenty-five years' experience on the road. Address W. H. B., care HARDWARE, No. 143 Chambers Street, New York City.

GENTLEMAN with over twenty years' experience in general Hardware, wishes to correspond with some manufacturers with a view of representing them in the South. Address J. W. JOHNSON, Drawer, Birmingham, Ala.

A MAN of fine experience in miscellaneous Hardware, tinware and housefurnishing goods (is now employed), desires to make changes. Wants to represent best houses. Prefers those who seek all available dealers and make prices "F.O.B. destination." Large trade acquaintance in North and South Carolina. Address STRICTLY COMMISSION, care Carrier No. 7, Charleston, S. C.

WANTED by a young man with thirteen years experience, to represent some Horse Shoe or Horse-Shoe Nail Manufacturer or Manufacturers' Agent; can furnish best of reference. Address EXPERIENCE, care HARDWARE, No. 143 Chambers Street, New York.

Rubber Agency Offered.

CYCLE Tires $4.88 pair; best '97's; Durable, Resilient; Full Guarantee. MINERALIZED RUBBER CO., No. 18 Cliff Street, New York.

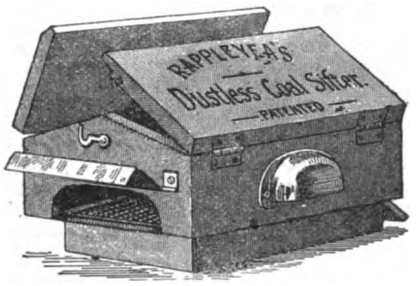
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WRITE FOR QUOTATIONS



GET OUR PRICES BEFORE ORDERING.

Mention "Hardware."



Rappleyea's Dustless Ash Sifter

WILL LAST A LIFETIME.

Price, Complete, $1.00.

MANUFACTURED BY . . .

THE NEWBURGH SIFTER MFG. CO.,

Newburgh, N. Y.

E. F. BENSON, JR.,

SOLE NEW ENGLAND AGENT,

146 Franklin St., Boston. Mass.

PARKS STOVE POLISHING MITTEN.



Best Made.

Write for Prices.

PARKS & PARKS, TROY N. Y.

Howard Iron Works,

BUFFALO, N. Y.

Manufacturers of

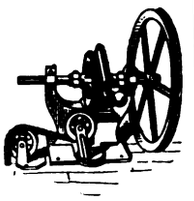
Bench Vises.

Price Lists sent on application.

THE COLUMBIA SAFETY.

Self-Retaining

Dumb Waiters



Elevators,

Cellar Lifts and Speidel's Safety Hoists. . . . . .

Manufactured by

J. G. Speidel,

Send for Catalogue. READING, PA.

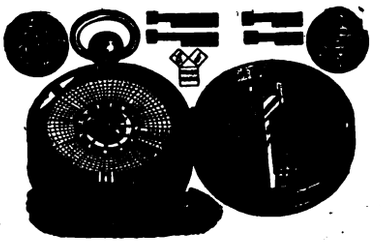
"Sanitary" Ventilated Lunch Boxes.



These boxes are made under our patents, are made of tin, japanned the color of paper boxes, can be cleaned out, are tight, ventilated and will outlast many paper ones.

ENNIS SPECIALTY CO., Sole Mfrs., TROY, N. Y.

Watchman's Improved Time Detectors



12 and 24 different Keys, with Safety Lock Attachments. U. S. Patents, 1876-76-77. Re-Issue, 1880. Trade Marks 1881, 1883.

1876. Highest Award and Medal of Honor at the Centennial Exhibition, for Portability, Security, and general adaptation for purposes intended.

1877, 78, 79. Medals for Excellence and Superiority at the American Institute.

1881. Award at the International Cotton Exposition in Atlanta.

1883. At the National Exposition for Railway Appliances at Chicago, the only Medal for the most Complete and Perfect Instrument.

This Watchman's Time Detector contains all the modern improvements. The only perfect instrument in the market. Warranted in every way. It cannot be tampered with successfully.

E. IMHAUSER,

206 Broadway, New York.

A

PROFITABLE MEDIUM

TO

ADVERTISERS.

Gilbert & Bennett Mfg. Co., Chicago and New York. [*Wire Goods*]: You have reason to be proud of HARDWARE'S success both as a journal of interest and of usefulness to your readers, and as a profitable medium to the numerous advertisers. From the fact that our card has been steadily published in its columns from the first number, it must be concluded that we have found you a satisfactory medium.

NICKEL PLATING

LACQUERS, CYANIDE POTASH, NICKEL SALTS.

ESTAB. 1822. INCOR. 1891.

THE HANSON & VAN WINKLE CO.

OFFICE NEWARK, N.J. AND WORKS N.J., U.S.A.

NEW YORK. CHICAGO.

TRIPOLI, ROUGE, BUFFS, &C.

OUTFITS

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PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—

House Carpenters.....
Ship Carpenters..... 40&12½%
Railroad.....

Ammunition—

CAPS, PERCUSSION—₩ 1000—

M. C. Co. and Hicks, trimmed edge.....47 @ 50c
U. M. C. Co. and Hicks ground edge.....47 @ 50c
Musket, Waterproof, 1-10's..45 @ 50c
G. D.....28 @ 30c

CARTRIDGES—

Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.35&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.. ...$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.10@1.15
B.B. Caps, Con. Ball, Swgd $1.75@1.80

PRIMERS—

Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—

First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....25&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.. .....65&2%

SHELLS, LOADED—

With Black Powder...40&10&10&5%
With Nitro Powd'r.40&10&10&10&5%

GUN WADS—₩ 1000—

B.E., 11 up.60c..B.E., 9&10...70c } 25
B.E., 8.....80c..B.E., 7.....80c.. } 25
P.E., 11 up.1.00..P.E., 9&10..$1.25 } 25
P.E., 8....1.50..P.E., 7.....1.50 } 25

SHOT—

Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.25
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags. ₩ bag.....$1.50
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.50
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$2.00
Dust Shot, 5-lb bags, ₩ bag ....$ .50
Jobbers frequently deduct 5@10 cents ₩ bag.

POWDER—

Laflin & Rand:

Orange Rifle ex., kegs	25 lb	$4.00
	12½ lb	2.25
	6¼ lb	1.25
Orange, Special, kegs	25 lb	5.00
	12½ lb	2.75
	6¼ lb	1.50
Orange Ducking, kegs	6¼ lb	2.25

[For 1000 lb lots 10% discount.]

Blasting and Mining, A..25 lb 2.25
Blasting and Mining, B. 25 lb 1.50

Laflin & Rand W.-A. Smokeless:
Sing e Canisters.....$1.00
10 Can Drums.....$9.00
Discounts on application.

CANISTER POWDER—

E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12

KEG POWDER—

Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 4.00
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.25
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 4.00
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 2.25
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.25
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 5.00
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.75
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.50
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50
Du Pont Sporting Powder, for lots 1000 lb 10% discount:
Du Pont Smokeless Powder:
Kegs, equal in bulk, to 25 lb Black Powder.....$22.00
Half Kegs, equal in bulk to 12½ lb Black Powder..... 11.25
Quarter Kegs, equal in bulk to 6¼ lb Black Powder..... 5.75
Canisters, equal in bulk to 1 lb Black Powder..... 1.00
Discounts on application.

HARD GRAIN SMOKELESS—

Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

TARGETS AND TRAPS, INANIMATE—

Cleveland Target Co.:
Blue Rocks ₩ 1000 .....$5.50
Expert Traps, each.....$5.50
Extension Traps, each.....$4.00

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....₩ doz. $3.80
Galien Safety.. .....₩ doz. $3.75
Hartman's Pivot.....₩ doz. $4.75
Iowa Farming Tool Co.:
Ha keye.....₩ doz. $3.25
Western.....₩ doz. $3.75

Anvils—

American "Horse-Shoe"...9¼@9¾c
Armitage's Mouse Hole....8¾@9¼c
Eagle Anvils, ₩ lb 9c.....15@15&5%
Hay-Budden, Wrought.... 8¾@8¾c
Peter Wright's.....9¾@10¼c
Samson..... .....8¼@9c
Trenton.....8¼@9c

ANVIL AND VISE COMBINED—

Cheney Anvil and Vise.....40%
Holt's.....40@40&10%
Millers Falls (with drill) $18.00..20%

Augers and Bits—

Boring Machine .....70&10@75%
Cincinnati Tool Co.:
Bell hangers' bit.....40%
Brace twist drills for metals. 50&5@50&10%
Brace twist drills for wood. 40&5@40&10%
Screw and plug.....25&10&10%
Cleveland Wood Bits for Brace, Style A, No. 114.....50&5%
Common.....70&10@75%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Forstner Pat. Bits.....25%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
Nobles Double Spur, No. 33.70&10%
No. 10 Extension Lip.....40%
No. 14 Extension Lip pattern car bit.....40%
Pat. Car Bits, No. 10.....40%
Pat. Car Bits No. 30.....60%
Ring Augers.....70&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Russell Jennings' Augers and Bits. 25&10&2½%

HOLLOW AUGERS—

Bonney's Adjustable, No. 4, $24.00. 20%
Cincinnati Adjustable.....25&10%
Cincinnati Standard.....25&10%
Douglass'..... .....33⅓@33⅓&10%
Ives.....33⅓@33⅓&10%
Millers Falls, Goodell....15&7½&10%
Universal, each $4.50.....20%

EXPANSIVE BITS—

C. E. Jennings & Co.....33⅓%
Cincinnati.....25&10&10%
Clark's small, $18.00.....45%
Clarks' Large, $26.00 .....45%
Ives' Model, ₩ doz. $60....50@50&10%
Steer's No. 1, $26; 2, $18.....40%
Stearns' No. 2. $48.....20%
Swan's.....40@40&10%

GIMLET BITS—

Diamond ₩ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 50&10%
Double Cut, Common, ₩ gro. $2.75 @$3.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ladds'.....70%
C. E. Jenning & Co.:
Double Cut.....70%
German.....50%

BIT STOCK DRILLS—

Cincinnati Tool Co., for wood.40@ 40&10%
Cleveland Wood Bits for Brace 50&5%
Syracuse, for wood.....40%

TWIST DRILLS—

Cleveland.....60&5@60&10%
Morse Twist Drills.....60&5@60&10%
New Process.....60&5@60&10%
Standard .....60&5@60&10%
Syracuse.....60&5@60&10%

SHIP AUGERS AND BITS—

L'Hommedieu's.....15&10%
Snell's .....30&10@40%
Watrous'.....40%

Awls—

Dunlap's Brad.....25%
Dunlap's Handled.....25%
Handled Brad, ₩ gr.....$3 00@$3.25
H'ld Scratch ₩ gr.....$3.75@$4.00
Pat. Peg ₩ gr.....30@35c
Sewing, Com.....₩ gro., 85c@$1.00
Should. Peg ₩ gr.....$1.35@$1.45
Shouldered Brad. ₩ gr...$1.50@$1.65
Socket Scratch ₩ doz....$1.00@$1.10
Stanley Rule & Level:
Handled Brad..... .....40&10%
Patent Pegging.... .....50&10%

Awl and Tool Seats—

Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10..... 60&10@60&10&5%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Ice Awls.....55%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18.. 15@15&10%
C. E. Jennings & Co.'s Adjustable Tool Handle, No. 10, $3.50; 45, $4.50; 65, $6 00; 75, $9.00; 175 $10.00 ₩ dozen net

Axes—

First quality, best brands. $5 00@5.25
First quality, other " $4.50@4.75
Beveled add 50c ₩ doz.

AXES, HANDLED—

Peck's:
Champion Blade...per doz., $13.00
Empire.....per doz., $9.00
Firemans'.....per doz., $25.00

HATCHETS—

Collins.....10%
Findlay Axe & Tool Co...50@50&10%
Hunt's, Underhill's or Blood's... 50@50&10%
Peck's:
Champion Blade.....45%
Empire Brand.....50&10%
Fayette R. Plumb:
Broad, New List.....40&12½%
Lathing.....40%
Shingling.....50%
Warehouse.....40&12½%
Vulcan Tool Co.....60%

Balances—

Chat llon's:

No.	2000	20	30
₩ doz.	75c	85c	$1.65 net

Circular Balances.....60%
Straight Balances.....50%
Circular Spring Balances.50&10@60%
Common 24 lb. .....₩ doz. 90c net.
Ice.....50&10%
Straight Spring balances.50&10@60%

Barrel Drainers—

National.....30%

Beef Shavers—

Enterprise:
Japanned, each, $6.50.....20%
Tinned, each, $7.50.....20%

Bells—

HAND—

Extra Heavy Brass.....65&10%
Light Brass.....70&10%
Globe (Cone's Patent).....40%
Silver Chime.....40%
White Metal.....65&10%

DOOR—

Crank, Cone's.....10%
Gong, Abbe's.....40@40&10%
Gong, Barton's.....40&10@50%
Gong, Yankee.....55&10%
Lever, R. & E. Mfg. Co.'s.60@60&10%
Multi-Stroke.....50%
New Departure.....45@50%

COW—

Common Wrought.....60&10%
Dodge, Genuine Kentucky 70@70&10%
Kentucky, Sargent's List.....75%
Texas Star.....50&10%
Western, Sargent's list.....75%

Bellows—

Blacksmith's.....70@70&10%
Hand.....50&5@50&10&5%
Moulders.....50&5@50&10&5%

Belting, Rubber—

Boston Belting Co.:
"Boston".....50&10&5%
"Imperial," seamless, stitched 40&10%
Cleveland Rubber Co.:
Buckeye.....60&10%
Shield High Grade.....50&10%
War. 2 XL.....40%
Common Standard.75&10@75&10&5%
Extra.....60&10&5@70%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Standard.....70&10@75%

Bench Stops—

Cincinnati.....25&10%
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&10%
Seymour Smith & Sons..₩ doz. $5, 10@10&10%
Terrell's No. 1 and 2, $3; No. 3, $2.00 ₩ doz.....30%
Millers Falls.....15&10%

Bit Holders—

Angular.....40&5%
Extension:
Barber's, ₩ doz. $15.00.....45%
Ives'₩ doz. $30.00.60&10@60&10&5%

Blind Adjusters—

Domestic..₩ doz. $2..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
N rth's.....10%
Zimmerman's.....50&10@50&10&10%

Blind Fastenings and Tenons—

Austin & Eddy ₩ gro. sets.....$5.50
Gorhams Improved Star Tenon ₩ gro. $1.00.....25%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Millers Falls ₩ set $1.00.....15&10%
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel 60&10@70%
Com. Jap'd Sheaves...70&5@70&10%
Lanes:
Junior, Self Sustaining.....30%
Pat. Automatic.....30%
Perfect Safety.....30%

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Regular Iron Strapped Blocks 70&5@70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c.....70%
Cast Iron Chain.....50&10%
Cast Iron Shutter Bolts.....70%
Ives' Patent Door Bolts...60&10&5@60&10&10%
Wrought Barrel.....75@75&10%
Wrought Square..70&10@70&10&10%
Wr't Shutter, Standard list.....70%
Wr't Shutter, Sargent's list.....70%
Wr't Sunk Flush, Sargent's list. 50&10@50&10&10%
Wr't Sunk Flush, Stanley's list 50&10@50&10&5%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&5%
Window Spring.....75%
Window Spring Bolt Socket.....70%

CARRIAGE, MACHINE, &C.—

Bolt Ends.....80@80&5%
Machine.....75&10@80%
Carriage, Common.....75&5@75&10%
Norway Iron, list Oct '84..80&10@80&15%
Phila., Eagle, list $3.00.....85%
R. B. & W., $2.40 list.....70%

TIRE—

American Screw Co.:
Bay State, Plain list Feb. 26, '96, 75&10%
Bay State, Fluted.....80%
Eagle Phila., list Feb. 26, '96....85%
Norway, Phila., list Feb. 26, '96, 80%
Common, list Feb. 28, '83..75@75&10%
Eagle.....85%
R. B. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—

Plow.....60&10&10@70%
R. B. & W., Plow.....65%
Stove.....75&10%

MISCELLANEOUS—

Sink.....75&10%
Sleigh Shoe.....85%

Bone Mills—

Enterprise.....20%

Borers, Tap—

Common and Ring.....20&10@35%
Enterprise, No. 1, $1.50; 2, $2.00; 3, $3.00 each
Ive's.....33⅓&5%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'	$2.50	$3.00
Jennings'	2.50	3.00
Millers Falls	7.50	15&10%
Other Machines	2.25	2.50....net
Phillips' Patent with Augers	7.00	7.50
Snell's, Rice's Pat.	2.50	3.75

Bow Pins—

1¼ inch, ₩ gro.....$4.50@$5.00
2 inch, ₩ gro.....$5.00@$5.50

Boxes, Mail—

Heller's.....40&5%

Braces—

Barber's.....50&10@60&10%
Barber's Ratchet.....60@60&10%
Bartholomew's:
Nos. 25, 27 and 30.....70@75%
Nos. 117, 118, 119.....70&75%
Common Ball American..$1.10@$1.20
Ives':
Barbers'.....60&5%
Barber Ratchet.....60@60&10%
New Haven Novelty....70@70&10%
New Haven Ratchet.60&10@60&10&10%
Spofford.....60&5@60&10%
C. E. Jennings & Co.:
No. 108@114⅔.....60&10%
No. 208⅓@214⅓.....60%
Peck's (P. S. & W. Co.)...60@60&10%
Gen. Spofford's.....50&10&5%

Brackets—

Door Screen.....70&10%
Moore's.....70&5%
Shelf, Bradley's Patent.....80%
Shelf, Plain, Regular list.....70&10%
Shelf, Fancy, Sargent's list.60&10@60&10&5%
Window Screen Corner.....70&10%
Reading, plain.....70%
Reading, Rosette.....70%

Bright Wire Goods—

Standard list.....85@85&10%

Bull Rings—

Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%
Sargent's.....80@80&10%
Seymour Smith & Sons.....60%

Butcher's Cleavers—

Beatty's.....40&5@40&10%
Bradley's.....25@30%
Dunlap's Family.....35%
Foster Bros. Flat Hds.....30%
Foster Bros. Round Hds.....40%
L. & L. J. White.....35%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....35⅓&5@35⅓&10%

Bung Hole Borers—

Enterprise.....25%
C. E. Jennings & Co.:
No. 6.....40%
No. 10.....30%

Butter and Cheese Triers—

Ordinary Black Handle.....25%

Butt and Rabbet Gauges—

Stanley's.....25&10%

Butts—

BRASS—

Cast Brass, Fast Joint....40@40&10%
Cast Brass, Ice House.....40%
Cast Brass, Loose Joint...40@40&10%
Wrought Brass, List Sept. '96.4@40&10%

CAST IRON—

Loose Joint.....75@75&5%
Loose Joint, Japanned.....75@75&5%
Loose Joint, Jap. with Acorns, 75@75&5%
Loose Pin.....75@75&5%
Mayer's Hinges.....75@75&5%
Parliament Butts.....75@75&5%
Sargent's:
Fast Joint, Broad.....60&10%
Fast Joint, Narrow, ...60@60&10%

WROUGHT STEEL—

List, April 1, 1895.
Bronzed Inside Blind Butts.50&10@50&10&5%
Bronzed, Narrow.....
Fast Joint, Narrow.....
Fast Joint, Light Narrrow....
Fast Joint, Broad.....
Loose Joint.....
Loose Pin.....
Table Butts, Back Flaps, etc..
} 75%

Can Openers—

American.....₩ gross $1.75@$1.90
Champion, ₩ doz. $2.00.....50%
Columbian.....₩ gro. $14.40
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Dunlap's Wood Handle No.2$1.75.25%
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
No. 5, Iron Handle, ₩ gr....$2.00@2.25
Sardine Scissors...₩ doz. $2.0 @2 25
Sprague, No. 1, $2.00; No. 2, $2.25; No. 3, $2 50.....70%
Universal, ₩ doz. $3.00.....55&5%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%

Cards—

Cotton.....20@25%
Horse and Curry.....20@25%
Wool.....20@25%

Carpet Stretchers—

Bullard's.....33⅓%
Cast Iron Steel Points, ₩ doz.75@$1.00
Cast Steel, Polished.....₩ doz. $2.25
Dunlap's.....25%
Excelsior.....25%
Socket.....₩ doz. $1.75

Carpet Sweepers—

Bissell's:
Gold Medal....
Grand.....
Grand Rapids.
Hall.....
Prize.....
Premier.....
Superior.....
} Cyclone Bearing ..₩ doz. $27.00 ..₩ doz. $36.00 ..₩ doz. $24.00 ..₩ doz. $60.00 ..₩ doz. $27.00 ..₩ doz. $27.00 ..₩ doz. $37.00
Crown Jewel, japan finish, ₩ doz $19.00
Crown Jewel, silver bronze trimmings, ₩ doz.....$20.00
Crown Jewel, nickel, ₩ doz. $31.00
Furniture Protector, Japan.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Parlor Queen, Jap....₩ doz. $24.00
Parlor Queen, Nickel, ₩ doz. $27.00
Standard.....₩ doz. $24.00
Lots of 5 dozen $1.00 per doz. less.

TOY LINE—

Baby.....₩ doz. $2.50
Child's.....₩ doz. $3.60
Little Jewel.....₩ doz. $7 00
Little Queen.....₩ doz. $4.00
Miesse.....₩ doz. $9.00
Quantity rebates on application.

Casters—

Bed.....60&10&10@70%
Deep Socket.....60@ 0&10%
Giant Truck Casters.....25%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%
Martin's Patent(Phœnix). 60@60&5%
Plate.....60&10&10@70%
Socket Truck Casters..45&10@45&10&10%
Stationary Truck Casters.....50&10%
Store Truck.....55%
Swivel Truck.....60&10&10%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50&5%
Yale Gem.....70&10&5%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@70&10&10%
Peck, Stow & W. Co.....60%
Sargent's.....70&10@70&10&10%

COW TIES—

American.....60&10%
Covert's Horse and Cattle:
Jute.....35⅓%
Manilla.....35⅓%
Sisal.....35⅓%
Triumph.....35⅓%

Chain—

American Coil, Ass'n base prices.
3-16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾
$6.85 5.35 4.25 3.35 2.50 2.35 2.15 2.05
Covert Saddlery Works:
Breast Chain.....60&20%
Hitching Chain.....60&20%
Rein Chain.....60&20%
Covert Mfg. Co. Chains.....45%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Galvanized Pump Chain, with Buckets.....5@5½c
German Coil.....60&10@70%
German Halter Chain....60&10@7 %
Jack Chain, Iron.....70@70&5%
Jack Chain, Brass.....70@70&5%
Oneida Halter Chain.....60@60&10%
Plumbers.....60%
Trace, Wagon and Fancy Chains, 60&10@60&10&10%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

Buck Bros.....30%
Charles Buck.....30%
Douglass.....75@75&10%
Hinsdale.....
Mix.....
Ohio Tool Co.....
P. S. & W.....
Sag Harbor Tool Co.....
Swan.....
Winsted Edge Tool Co.....
} 75&10 &5%
C. E. Jennings & Co. No 70....25&10%
Jennings & Griffin Mfg. Co....75&5%
Merrill & Wilder.....60&10%

TANGED AND MISCELLANEOUS—

Rox.....60&10%
Buck Bros.....30%
Butchers'.....$4.75@$5.00 to $
Cold Chisels, good quality, ₩ lb 14c@16c
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges.....40&10%
Spear & Jackson's.....$5 to $
Tanged Firmers'.....50@50&10%

Chucks—

Beach Pat....each $3.00.....20%
Cushman's:
Combination.....40%
Independent.....50%
Morse's Adjustable, each $7.00...25%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....40%
Skinner's Pat. Comb. Chuck.....40%
Union Mfg. Co.:
Combination.....40%
Independent.....40%
Universal.....40%
Victor, No 1, $8.50; No. 2, $12.50.25%

Clamps—

Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearns'.....30@30&10%
Cabinet Makers, Sargent's....45&10%
Carpenters', Cincinnati.....25&10%
Carriage Makers', Sargent's.. 50&10@50&10&5%
Carriage Makers' P. S. & W. Co. 40&10%
R. I. Tool Co.'s Wrought Iron....25%
Smith's:
Eccentric.....25%
Splicing.....25%
Splicing Tools.....25%
Warner's.....40&10@40&10&5%

Cleaners, Sidewalk—

Challenge Shank.....₩ doz. $3.25
Star Shank.....₩ doz. $3.50
Star Socket.....₩ doz. $3.75

Clips—

Norway Axle.....70@70&10%
Norway Spring Bar Clips.70@70&10%
Superior Axle Clips.....70&10@75%

Coffee Mills—

Box and Side.....65&10@60&10&5%
Enterprise Mfg. Co.....25%
National.....30
The Swift, Lane Bros.....33⅓%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%

Compasses, Dividers, &c.—

Athol Calipers and Dividers.....40%
Bemis & Call Co.'s:
Compasses.....50&5%
Dividers.....65%
Compasses, Calipers, Dividers. 70@70&10%
Wm. Johnson's:
Extension Dividers.....40%
Inside, Outside and Double.....70%
Registering.....50%
Wing Calipers.....70%
Wing Dividers.....75%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
Beatty's.....33⅓%
L. & I. J. White.....20@20&5%
Sandusky Tool Co.....25&10@25&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....40%
Humason & Beckley Mfg Co. 40& 10@50%
Samson.....₩ doz $10.80
Williamson's.....40%

Corn Hooks—

Kretsinger Cut-Easy, ₩ doz. $3.00 net

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....35@35&10%

Counter Sinks—

Adjustable.....20%
Counte sink Bits.....40&10%
Shepardson's Diamond.....40@45%
Smith's.....25%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....₩ gro. $2.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—

Fitch's, List Nov. 20, '96.....25&10%
Perfect.....25&10%
Rubber, ₩ doz. $7.50.....20@20&10%
Southington Cutlery Co.'s List, Nov. '96.....25&10%

Cycle Hangers—

Lane's.....33⅓&5%

Diggers—

See Post Hole, etc.

Dog Collars—

Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Keystone Mfg. Co.:
Low List.....30%
Leather Muzzles.....50&10%
Medford Fancy Goods Co. list..40& 10@50%
Union Hardware Co. New List. 50&50&10%

Door Checks—

Bardsley's.....30%
Eclipse.....60@60&10%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete. 50&10%
Thaxter Electric Lock, list....$35.00

Door Springs—

Champion (Coil)...50&10@50&10&10%
Foster's (Coil).....30%
Gem (Coil), list Oct. '95.....25%
Rubber, complete, ₩ doz. $5.50. 66⅔&@70%
Star (Coil), list Oct. '95.....33⅓&10%
Torrey's Rod, 30 in, ₩ doz $1.25@1.35
Victor, Coil.....60&10@60&10&5%
Warner's.....55@55&10%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Adjustable Handle.....40@40&10%
Bradley's.....30%
Douglass.....75@75&10%
Jennings & Griffin.....75 25%
Merrill & Wilder.....60&10%
Mix.....
New Haven.....
P. S. & W.....
Witherby.....
} 75& 10& 5%
Watrous.....30@30&10%
L. & I. J. White.....35&5@35%
Wilkinson's Folding.....35@35&5%

Drills and Drill Stocks—

Automatic Boring Tools..$1.75@1.85
Blacksmiths'.....each $1.75
Breast, Bartholomew's No. 12, ₩ doz.....$16.00
Breast, Millers Falls, each $3.00 15&10%
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Graves Drill Stocks.....40%
Ratchet, Billings' Dble. Acting.33⅓&5
Ratchet, Ingersoll's.....25%
Ratchet, Merrill's.....30@30&5%
Ratchet, Moore's Triple Act.35@30%
Ratchet, Parker's.....40%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Stearns' Bench.....50@50&10%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓&5
Wilson's Drill Stocks.....10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

Dover (Standard Co.) No. 10 ₩ gro. $9.50
Dover Extra Heavy (Standard Co.) No 15.....₩ gro. $21.00
Paine, Diehl & Co.'s Keystone 33⅓&5
Spiral.....₩ gro. $4.25@$4.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$3.00 each, less 50%
Annunciators, $1.50 ₩ drop less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon..60c. ea., less 50%
Batteries, Medical, $3.50 ea., less 50%
Batteries, Dry.....50c. ea., less 50%
Bells, Electric, 2½, 50c. ea., less 50%
Call Bell Outfit, Electric...$3.00 each, less 50%
Desk Pushes Electric..30c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Risers' Set, Electric..$3.50 each, less 50%
Floor Pushes, Electric...6 c. ea., less 50%
Gas Burners, Electric....5 c. ea., less 5 %
Gravity Batteries, $1.00 ea. less 50%
Hydrometers....75c. each, less 50%
Incandescent Lamps..40c. each, less 50%
Induction Coils, Telephone..6 c. each less 50%
Lead Covered Wire No. 18, No. 16, No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Push Buttons, Wood..10c. each, less 50%
Sal Ammoniac...18c. ₩ ℔, less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt....24c. each, less 50%
Switches, 3 pt....28c. each, less 50%
Spark Coils, 8 pt..$2.00 ea., less 50%
Spark Coils, 10 pt $4.40 ea., less 50%
Spark Coils, 12 pt.....$3.80 each, less 50%
Tape, Insulating, 80c. ₩ ℔, less 50%
Tube, Speaking, $21.00 ₩ 1,000 ft. less 50%
Whistles, Speaking Tube, N. P., 2.00 ₩ doz., less 50%
Whistles, Speaking Tube, Percelain.....75c ₩ doz., less 50%
Wire Winders, $10.00 each, less 50%
Window Springs, Electric...24c. each, less 50%
Yale Lock Switch, Electric, $3.50 each, less 50%
Zincs, Leclanche...04c. ea., less 50%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ₩ ℔..4½c	5c	3c	
½ kegs, ₩ ℔.4½c	5½c	3½c	
¼ kegs, ₩ ℔. 5c	5½c	3½c	
10 ℔ cans, 10 in case.... 6c	6½c	5½c	
10 ℔ cans, less than 10.. 10c	10c	8c	

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Brass Thread.....60@60&10%
Wood.....35%

Escutcheon Pins—

Brass.....70@70&10%
Iron, list January, 1890.....60@60&5%

Farriers Knives—

"Challenge".....₩ doz. $3.00
Popes.....₩ doz. $3.00
Wilkinson's.....₩ doz. $3.00

Faucets—

Brass Globe Cocks.....60&10%
Brass Racking.....60&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....60%
Frary's Pat. Petroleum..60&10@70%
John Sommer's Boss Tin Key....50%
John Sommer's Chicago Cork lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Cedar (in bbls.) 50&10%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....60%
John Sommer's No Brand Metal Key.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.40%
John Sommer's Peerless Tin Key.40%
John Sommer's Reliable Cork Lined.....60%
John Sommer's W. P. Metal Key.40%
Star.....60@60&5%
Self-Measuring:
Enterprise ₩ doz. $36.00.....40%
Lane's ₩ doz. $36.00.....40%
National Specialty Mfg. Co....40%

Fibreware—

Standard Fibre-ware Co.

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Buggy Pails, 7 in. high.	2.60		
Chamber Pails, (flat cover, knob) Nos. 5 and 6x 14 qt	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)...	1.40	1.70	2.00
Cuspidors, 9x7½ inches, (anti-tip-over).....	5.50	6.50	7.00
Dairy Pails, 14 qt.....	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire.....	3.40		
Fruit Bowls.....	1.20	1.70	2.00
Keelers, 11½ inch.....	2.30	2 80	3.10
Milk Pans.....	1.50	2.00	2.20
Mats, 8½ inch (for table use).....	.50	1 00	1.20
Mats, 15 inch (for cuspidores, etc.....	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.30	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.30
Prison Pails, 16 qt. (with cover).....	6.50		
Pitchers, 10½ in. high..	4.00	4.70	5.20
Peck Measures.....	2.80		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Spittoons, Daisy, 8½ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4.00	4.80	5.30
Water Pails, 12 qt....	$3.00	$3.50	$4.00
Waste Paper Jars.....	3.00	4 00	4.50
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2. 0
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in.. (or Wash Bowls,.....	2.30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4.00

Files—

DOMESTIC—

American.....75%
Arcade.....70%
Great Western.....70%
Kearney & Foot.....70&10@75%
Nicholson.....70%
Nicholson's X. F. Files.....33⅓&5
Second Quality Files.....80@80&10%
Tiger.....75%
Troy File Works:
Files.....70&10%
Rasps.....70%
Victor.....75&10%

IMPORTED—

Stubs.....Stubs' list, 25@30%

Filters—

Seed's Water Filters:

A 1, $4.00	No. 2, $2.50	No. 3, $1.50	No. 4, $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....60&20%

Fluting Scissors—

List.....45%

Forks—

Champion, Hay, Manure, etc 75&15%
Columbia, Hay.....75&10%
Columbia, Manure.....8%
Columbia, Spading.....80&5%
Hay.....75%
Iowa Farming Tool Co.:
Barley.....60&40%
Manure, 4 tine.....75&10@25&5%
Manure, 5 and 6 tine .....70&20&5%
Spading.....75&10&2%
Victor, Hay.....75&10%
Victor, Manure and Header.....80%

Freezers, Ice Cream—

Blizzard.....net
Gem.....net
Granite State.....net
Improved Arctic.....net
Keystone, P. D. & Co.....20%
Ohio.....60&10%
Packer's:
Confectioner's Machine.....net
Double Action Standard.....net
Good Luck.....net
Standard.....net
Shepard's Lightning.....net
White Mountain.....net

Fry Pans—

Acme Fry Pans.....70&10%
Polished, regular goods...75@75&10%
Standard List.....75&10@80%

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.35	$4.75	$5.25
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Gas Lighting Burners—

Gem.....₩ doz. $2.50
In lots of 3 doz.....₩ doz. $2.25

Gauges—

Bemis & Call's Steel.....50%
Boss, Screw Pitch.....33⅓&5
(Hanbrant) 20%
Marking, Mortise, &c..60&10@60&10&10%
Stanley's.....60&10%
Stanley's Chisel.....35%
Starrett's Surface, Center and Scratch .....25&10%
Copeland Champion Bit ₩ doz $3.00 net
Stubs' Wire and Drill.....20%
Wire, Morse's.....25%
Wire, P. S & W., low list.... 10&10%
Wire, Wheeler, Madden & Co....10%

Gimlets—

"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%
"Diamond" Gimlets ₩ gr. $4.00@4.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%
"Eureka" Gimlets.60&10@60&10&5%
Metal head.....55%
Nail Gimlets:
Assorted 1, 2 and 3.....₩ gr. $1.50
Assorted 2 and 3.....₩ gr. $1 70
Pod.....50%
Star.....60%
Spike Gimlets:
Assorte 1, 2 and 3.....₩ gr. $3.00
Assorted 2 and 3.....₩ gr. $3.25
Wood head.....50&10%

Glue—

Dodd's Liquid Glue.....25&25&10%
Le Pages Liquid.....25&25&10%

Glue Pots—

Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....60%
Enameled.....45@50%
Tinned.....40@50%

Graters—

Enterprise.....25%

Grindstone Fixtures—

Howard Iron Co.....30%
Moore's.....55&10%
P., S. & W. Co.....50&10&10%
Russell & Erwin.....70&10%
Sargent's Patent..70&10@70&10&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
'96 List.....60&20%
Upson & Woodine 40%
Wright's Animal Tether.....30%

Hammers—

HANDLED HAMMERS—

Atha Tool Co.....5%&10@60%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&10%
C. Hammond & Son. List..40&10@50%
Humason & Beckley.....50@50&10%
Dunlap's Patent.....25%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40&10%
Maydole's.....33⅓&5@40&5&5%
Peck, Stow & Wilcox.....40@40&5%
Fayette R. Plumb:
Artisan's Choice, A. E. Nail.. 40&12½&5
Engineers & B. S. Hand.... 60&15%
Y. & P., A. E. Nail.....40&12½&5
Other Brands.....60&10@60%
Sargent's New List.....45@50%
Verree.....50&10@60%
Warner & Nobles New List..25&10%

HEAVY HAMMERS AND SLEDGES—

Under 3 ℔...₩ ℔ 40c
3 to 5 ℔.....₩ ℔ 35c } 75@75&10%
Over 5 ℔.....₩ ℔ 30c
Wilkinson's Smiths....9½c@10c₩ ℔

Hammock Ropes—

Covert Mfg Co.....45%
Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—

Chest Handles, Sargent's..50&10@50&10&10%
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.08	1.35	1.50

60&10@70&5
Drawer Handles.....60%
Ring Handles.....70%
Roggin's Latches.....50&10@60%
Shelf Box Handles.....65%
Trunk Handles.....60%
Tub Handles.....60&10%

STORE DOOR HANDLES.—

Bronzed, with Cylinder Lock....50%
Bronzed.....60&10@66⅔&5
Japanned, with Nuts.....$1.65
Japanned with Plate $1.10
Japanned, without Plate.....85c

DOOR PULL—

Bar.....60@60&10%
Barn Door.....50&10%
Chest and Lifting.....60@60&10%
Drawer Pulls.....60&10@60%
Plain B. M.....60@60&10%
Push Plates, Sargent's List..60@ 10%
Sash Pull Plates.....70&10%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔&5

WOOD—

Auger, assorted.....₩ gr. $2.25@2.50
Auger, large.....₩ gr. $3.00@3.25
Auger, Douglass', Pat. ₩ set, No. 1, $1.00; No. 2, $1.40
Auger Ives', Pat. No. 1, 60&10% No. 2 to 33⅓.....40%
Auger, Swan's, Pat. ₩ set, No. 3, $1.00; No. 4, $1.35.....35&10%
Brad Awl .....₩ gr. $1.75@2.00
Chisel Worcester Leather Cap'd 1.50
File, assorted.....₩ gr. $1.25@1.40
Firmer Chisel, Apple ass'd ₩ gr. $2.25@2.50
Firmer Chisel, Apple large ₩ gr. $2.75@3.00
Firmer Chisel, Hickory ass'd ₩ gr. $2.00@2.25
Firmer Chisel, Hickory, large, ₩ gr. $2.50@2.75
Firmer Chisel, Socket ass'd ₩ gr. $2 00@2.25
Hammer, Hatchet, Axe, Sledge, etc .....10&2%
Hoe, Rake and Fork 60&10@60&10&5%
Saw and Plane.....40&10@50%
Shovel and Spade, Wood D Hdle. 60@60&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 60c.60%
Champion.....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....60&10@60&10&10%
Barn Door, New England.70@70&10%
Barry, $6.00.....50&10%
Best Anti-Friction.60&10@60&10&5%
Challenge, Barn Door.....50%
Climax Anti-Friction.....55%
Cronk's Roller Bearing, No. 4, $18.00; No. 5, $26.00. ...60&10&10%
Cronk's Steel cov'd Loose Axle. 60&10&10%
Davis Parlor Door .....50@50&5%
Duplex (Wood Track).....60&10&5%
Kidder's.....50@50&10%
Lanes Barn Door:
Covered.....60&10%
No. 50.....6 &5%
New Model.....4 &10%
Parlor, Standard.....4 &10%
Standard .....60&10%
McKinney's "None Better," No. 2, $18.00; No. 1 Special. $15.00, ₩ dozen pairs.....60&10%
Moore's Baggage Car Door.....33⅓&5
Moore's Elevator.....33⅓&5
Moore's Railroad.....60%
Reed's Steel Arm.....50%
Rider & Wooster, No. 1, 66⅔&5; No. 2, 75c.....40%
Richards' Single Track, Steel.50&10%
Star.....50&10&10%
Stearns' Challenge.....50@50&5%
Sterling's Impr'd.60&10@60&10&10%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's M dern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
The Boss.....60&10@60&10&5%
Universal Anti-Friction.....40%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4, $35.00.60&10&2½%
Warner's Pat.....20&10&10%
Wild West, 4 in. Wheel.....50%
Zenith for Wood Track.....55%

Harness Snaps—

See Snaps.

Hasps and Staples—

McKinney's "Perfect," $1.10 ₩ doz .....40&10%
Wrought.....85&10@85&10&5%

Hatchets—

See Axes.

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Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—
Auburn Hay, Com. and Spear Point 50%
Auburn Straw 40%
Lightning, from jobbers $6.00@$6.25
Wadsworth's ..... 40&5@40&5&7½%

Hedge Shears—
Wm. Wilkinson & Sons 50%

Hinges—

WROUGHT IRON HINGES—
Corrugated Strap and T. 7½@75&5%
Rolled Blind Hinges Nos. 33 and 34 50&10@50&10&5%
Rolled Plate, Rolled Raised .... 70&10@70&10&5%
Plate Hinges "Providence" 6 to 12 in. ₩ lb. 5c. 14 to 36 in. ₩ lb. 4c.
Screw Hook and Strap. { 6 to 12 in., ₩ lb. 2½c; 14 to 20 in., ₩ lb. 2¾c; 22 to 36 in., ₩ lb. 2 c
Strap and T ..... 75@75&5%

SPRING HINGES—
Acme ..... 30@10%
American 20%
Bommer's 40%
Bardsley's Patent Checking 15%
Chicago 30%
Crown 30%
Champion 60%
Devore's No. 1 ..... ₩ gr. $13.00
Geer's Spring and Blank Butts 40%
Gem ..... 30&10%
Keil's American 30%
Matchless No. 10 ..... 70%
New Idea, No. 1, ₩ gro. $7.50
New Idea, No. 2, ₩ gro. $18.00
Oxford ..... 30&10%
Rex ..... ₩ gr. $13.00
Royal Japanned 66⅔%
Rubber 66⅔%
Sargent's List 1894:
Bronze Metal ..... 75&10%
Japanned Surface, Single .. 70&10%
Japanned Surface, Double. 60&10%
Mortise 55%
Model ..... 70@70&10&10%
Tuscan Surface, Single 70%
Tuscan Surface, Double 70%
Vigilant ..... 50&10@50&10&10%
Union Spring Hinge Co.'s list, March, 1894 ..... 20%
Union Mfg. Co 25%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $13.00

GATE HINGES—
Automatic ..... ₩ doz $12.50, 50%
Common Sense .. ₩ doz pair $4.50, 50%
Clark's Nos. 1, 2, 3 ..... 70&10&5%
Long's Self Closing 50%
N. E. ... ₩ doz $7.80 ..... 60@60&10%
N. E. Reversible ..... ₩ doz $5.60 60@60&10%
N. Y. State .. ₩ doz $4.90 .. 60@60&40%
Reed's Latch and Hinges ... ₩ doz $13.00, 50%
Seymour's ..... 45&10%
Shepard's Nos. 1, 2, 3, 6@10@60&10 &5%
Western, ₩ doz $4.20 ..... 60@60&10%

BLIND HINGES—
Clark's:
Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3 ..... 60&10%
Mortise Gravity 50%
Nos. 1, 3, 5 ..... 60&10%
Nos. 40 and 50 ..... 80%
Huffer 65%
Parker ..... 75@75&10%
Sargent's Nos. 1, 3, 5, 11, 13, ... 75@75&10%
Shepard's or Wrightsville Hdwe. Co.:
Acme, Lull & Porter .. 60& 0%
Buffalo Gravity Locking, Nos. 1, 3 and 5 ..... 80& 0 &5%
Champion Gravity Locking, No. 75 ..... 60&10&10
1858, Old Pat'n, Nos. 1, 3 and 5, 60&10%
Tip Pattern, Nos. 1, 3 and 5, 60 &10&5%
Double Locking, Nos. 20 and 25. 75%
Empire, Nos. 10 and 101 .. 80%
Niagara Gravity Locking, Nos 1, 3 and 5 ..... 80 .0%
Noiseless, Nos 50, 60, 65 and 65.60%
O. S. Lull & Porter .. 80&'0 &%
Pioneer, Nos. 000, 45 and 5½ .. 75 · 5%
Steam Gat Gravity Locking, No. 10 ..... 80&10&5%
Stanger's Noiseless 75%
Mortise Gravity 50%
Stanley's Steel Gravity Blind Hinges, ₩ doz. sets $1.80 ..... 40&10%

Hitching Cords—
Covert Mfg. Co 45%

Hoes—

HANDLED—
Crescent Cultivator, 6 in. ₩ doz. $3.75 net
Crescent Cultivator, 7 in. ₩ doz. $4.00 net
Crescent Double-Bit ₩ doz. $4.00 net
Crucible Cut-Easy .. ₩ doz. $4.50 net
Cotton ..... 80&12½%
Dunlap's Boys', Ladies', Toy 30%
Garden, Mortar, &c. ..... 75&25%
Iowa Crucible Socket ..... 75&25%
Magic ..... ₩ doz $4.00
Mattock Hoe ..... ₩ doz. $4.00 net
Planter's ..... 80&20%
Texas Cut-Easy ..... ₩ doz. $4.25 net
Warren Hoe ..... 60&10%

EYE—
American Axe & Tool Co 70%
Grub ..... 60&10@70&5%
Lane's:
Crescent Planters Pat ..... 45&5%
Razor Blade, Scovil Pat ..... 30&5%
Sandusky Tool Co., S. & O. Pat. 60@60&10%
D. & H. Scovil ..... 30@30%

Hog Rings and Ringers—
Hill's:
Rings ..... ₩ gr. boxes .. $3.60@$4.00
Ringers ..... ₩ dos. 55@65c
Perfect Rings ..... ₩ gro. 90c
Perfect Ringers ..... ₩ doz. $1.00

Hollow Ware—

IRON—
Granite and Agate-Ware .... 40&10%
Ironclad Enameled-Ware. 60&10&10%
Rustless Hollow-Ware ..... 50@50&5%
Stove Hollow-ware:
Ground ..... 60&10&10@70%
Unground ..... 70&5@75%
White Enameled Ware:
Boilers and Saucepans .... 62½@65%
Maslin Kettles .... 75&5@75&10&5%
Tinned Boilers and Saucepans .... 60&5@60&10%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Hartford Silver-Plate Co ..... 40&5%
Holmes & Edwards Silver Co. 40&10&5%
Meriden Britannia Co ..... 40&5%
Reed & Barton ..... 40&5%
Rogers & Brother ..... 40&5%
Simpson, Hall, Miller & Co ..... 40&5%
William Rogers Mfg. Co ..... 40&10%

Hooks—

BUSH—
Jennings & Griffin's ..... 40&10%
Light ₩ doz. $5.60 Medium ₩ dos. $5.50; Heavy $6.00

CAST IRON—
Bird Cage, Sargent's list ... 60&10&10%
Bird Cage, Reading ..... 60@60&10%
Bird Cage, Williamson 50%
Ceiling, Sargent's list ..... 50&10%
Chandelier 70%
Clothes Line, Sargent's list .. 5 &10%
Coat and Hat, Sargent's list .. 50&10%
Coat and Hat, Reading ..... 60&10%
Coat and Hat, Moore's 70%
Harness, Sargent's list .... 60@50&10%
Lamp 55%
Picture 75%
Screw Hat 70%
Wardrobe 55%

WROUGHT IRON—
Cotton ..... ₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works 80%
Hammock Hooks, E. C. Stearns, ₩ doz 60c
Picture, T. & S. Mfg. Co 75%
Tassel, T. & S. Mfg. Co ..... 50&10%
Wrought Staples, Hooks, &c. See Wrought Goods.

MEAT—
Enterprise 33⅓%
Wm. Johnson's:
8 in. ..... ₩ doz. $2.20 net
10 in. ..... ₩ doz. $2.70 net

WIRE—
Atlas Coat and Hat ..... 50@50&10%
Belt ..... 80@80&10%
Handy Coat and Hat 70%
Steady Ceiling 70%
Wire Coat and Hat, Acme ... 60&10%
Wire Coat and Hat, Gem 70%
Wire Coat and Hat, Standard 45%

MISCELLANEOUS—
Carpenter's Amc. Grass Hooks, ₩ doz. $4.00
Covert's Saddlery Works:
Self-Locking Gate and Door Hooks ..... 60&20%
Dunlap's Merchandise 25%
Grass, No. 2, $1.65; 3, $1.30; 4, $2.00
Hooks and Eyes—Brass ..... 70&10%
Hooks and Eyes—Mal. Iron 75%
Wm. Johnson's Cotton, Box and Hay 60%
Moores':
Clothes Line 70%
Harness 70%
Hotel & School House 70%
Whiffletree ..... ₩ lb 4½c

Horse Nails—

Nos.	6	7	8	9	10
A. C.	25c	23c	22c	21c	21c. 40&10%
American, all sizes, 9½@10c ..... net					
Ausable	23c	23c	25c	24c	23c. 40&10&5%
Anchor	23c	21c	20c	19c	18c 40%
C. B. K.	25c	23c	22c	21c.	21c 40%
Capewell ...	19c	18c	17c	16c	16c. .10&5%
Champlain ..	23c	23c	23c	24c	23c. 40&5&2%
Clinton Fin.	19c	17c	16c	15c	14c. 80&10&5%
Empire Bronzed 10c					
Essex	23c	23c	25c	24c	23c. 40&10@50%
Lyra	9½c	9½c	9½c	9½c	9½c., net
Maud S	25c	23c	22c	21c.	21c 50&10&5%

Nos.	6	7	8	9	10
Northw't'n.	25c	23c	23c	21c	20c. 25@25&5%
Putnam	23c	21c	20c	19c	18c 25%
Snowden,	9½c	9½c	9½c	9½c	9½c., net
Vulcan	23c	21c	20c	19c	18c 25%
Western, 5 to 10d 9c					

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co 45%

Hose, Rubber—
Boston Belting Co.:
"Boston" ..... 50&10&5%
"Imperial" ..... 30&5%
Competition ..... 75@75&10%
Extra ..... 60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para ..... 40&10%
Reliable ..... 50&10%
Staple ..... 60&10%
Standard ..... 70&10@70&10.25%

Ice Awls, Chippers, &c.—
Copeland Ice Pick .... ₩ gr $9.00 net
Crown ..... net
Dunlap's:
No. 1 ..... $3.50 per doz 20%
No. 20 ..... $12.00 per doz 20%
Gem Ice Shave ..... net
Sargent's Ice Awls 55%
Star ..... net

Ice Shredders—
Enterprise, No. 33, ₩ doz. $7.20 .. 25%
No. 34 ..... ₩ dos. $15.00 25%

Jack Screws—
See Screws.

Kettles—
Spun Brass, Plain ..... 15@30%
Spun Brass, plated inside with White Metal ..... 10@15%

Knives—
Ames':
Bread Knives. ₩ dos. $1.50 .. 20@25%
Butcher Knives ..... 25@25&10%
Shoe Knives ..... 25@30%
Dunlap Kitchen and Br'd Knives 25%
Foster Bros.' Butcher, &c 40%
Goodell's:
Bread Knives Ass'n list ..... net
Butcher 25%
Shoe Knives 40%
Hay and Straw, see Hay Knives.
Nichols' Butcher Knives 50%
Table and Pocket, see Cutlery.
Wilson's Butcher Knives .. 25@25&5%

Knobs—
Bardsley's Wood Door, Shutter and Base 15%
Base, Rubber Tip, 2½ in. Bead, ₩ gr ..... $1.25@$1.50
Carriage, Jap ..... ₩ gro. 80c, 60&10%
Door Knobs, Hemacite ..... 50&10%
Door Mineral ..... ₩ doz. 55@60c
Door Por. Jap'd ..... ₩ doz. 65@70c
Door Por. Nickel ... ₩ dos. $1.70@1.80
Drawer, Porcelain. 60&10@60&10&10%
Picture, Hemacite ..... 50&10%
Picture, Judd's ..... 50&10&10%
Picture, Sargent's ..... 70&10%
Shutter, Porcelain 70%
Yale & Towne Wood, list Dec. '95. 40%

Ladles, Melting—
Monroe's Pat ..... ₩ dos $4.00, 45%
P. S. & W ..... 35&10@40%
Reading ..... 50&10%
Sargent's ..... 60@60&10%
Warner's 30%

Lanterns—
Buhl Stamping Co:
No. 100 Buhl Tubular Headlights, ₩ doz. list $30.00
No. 16 Buhl side Lever, ₩ doz. list $7.50
No. 10 Buhl Improved Regular, ₩ doz. list $7.00
No. 20J Buhl Square Top Lift, No. 2, ₩ doz. list $11.00
No. 150 Buhl Dash Reflector ₩ doz. list $10.00
No. 2 0 B hl Dash Reflector. No. 2, ₩ doz. list $17.00
Discount ..... 40&5%

Latches—
Cronk's Sliding Door 60%
Lane's Barn Door 40%

Lawn Mowers—
Champion ..... 75&10%
Continental ..... 60&10%
Drexel Cheap Mowers .... net
Enterprise 40%
Genuine Philadelphia Mowers:
C. K. L. ..... 70&10%
Styles A., and E. ..... 60&10%
Styles, D., D. O. W., M., S., T., Great American ..... 70&10%
Imperial ..... 60&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%
New Easy ..... 60&10@60&10&10%
New York ..... 60&5&t
Pennsylvania ..... 60&10%
Rapid Transit ..... 70&10&10%
Standard ..... 60&5%
Sunbeam ..... 60&10%

Lawn Sprinklers—
Enterprise 35%
Gibbs' Arc ..... ₩ doz. $10.00
Gibbs' Hustler ..... ₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler:

No.	No. 1,	No. 2,	No. 3,
₩ dos.	$12.00	$15.00	$24.00 .. 35%

Lemon Squeezers—
Berger Bros. ₩ dos. 8-in. $1.00: 10-in. $1.40 ..... 20%
Dean's, Nos. 1, ₩ dos. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Dunlap's Improved ₩ dos. $3.75 20%
Hotchkiss, Straight Flush ₩ dos. $9.00
Jennings' Star ... ₩ dos. $1.90@$2.00
Little Giant ..... 50@50&5%
Porc. Lined, Iron ..... $3.25@$3.50
Porc. Lined, Wood .... ₩ dos. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.

Letter Box Plates—
Name Door Plate ..... 50@50&10%
Name Plate 70%
Number Door Plate ..... 60@60&10%
Sargent's ..... 60&10@70%

Levels—
C. E. Jennings & Co.'s:
Hexagon ..... 35&10%
Iron Bench, new design .... 35&10%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's 50%
Cotton Chalk, 20 feet ..... 60&10%
Cotton Trot 33⅓%
Masons':
Colored Cotton ..... 40&10%
Flax ..... 40&10%
No. 0 to 5 ..... 25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50 .... 10%
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro 25%
Ventilator Cord, Samson Braided. White or Drab Cot. ₩ doz. $7.50. 20%
Wire Clothes, 100 feet, No. 18, $2.25; No. 19, $2.00; No. 20, $1.75

Locks—

DOOR LOCKS, LATCHES, &c.—
Barnes Mfg Co ..... 40@40&10%
Branford Lock Co ..... net prices
Brooklyn Latches ..... 60&10%
Champion Night Latches 40%
Diets Flat Key 30%
Mallory, Wheeler & Co ... 60&10@70%
Norwalk Lock Co ..... 60&10%
Plate 33⅓%
R. & E. Mfg. Co ..... 60&10@70%
Reading Hdw. Co ..... 60@60&10%
Romer's Night Latches ..... 20&5%
Sargent & Co ..... 60&10@60&10&10%
Slaymaker, Barry Co 's: Corrugated Key Latch ..... 35&5% All other Night Latches 40%
Yale ..... net prices

CABINET—
Barnes Mfg. Co ..... 40@40&10%
Diets:
Nos. 23 to 39 ..... 40%
Nos. 41 to 78 ..... 45%
Nos. 87 to 98 ..... 30%
Eagle Lock Co ..... 45&2%
Charles Parker Co ..... 45&2%
Romer's 25%
Stoddard Lock Co ..... 30@33⅓%
Yale ..... 45&2%

PADLOCKS—
Acme Bicycle and Satchel per doz. $9.00 ..... 40%
Ames Sword Co 40%
Barnes Mfg. Co ..... 50@50&10%
Champion 40%
A. E. Diets 40%
Eagle 40%
Eureka, Eagle Lock Co ..... 40&2%
Gem, Corbin's ..... 40&2%
Romer's Nos. 0 to 3 ..... 40&5%
Scandinavian ..... 30&40@60&40&10%
Smith & Egge Bicycle 50%
Wrought Iron ..... 75@30%
Yale Lock Co ..... net prices

TRUNK—
Corbin's 25%
Eagle 25%

Mallets—
Sargent's List
Hickory ..... 50@25&10%
Lignumvitæ ..... 50@25&10%
Raw-Hide ..... 40&10%

Mattocks—
Regular list ..... 70@70&10%

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Meat Cutters—

American.....30%
Nos....1 2 3 4 B 5
Each.$5 $7 $10 $25 $50 $60
Beef Shavers (Enterprise).....30%
Chadborn's Smoked Beef Cutter, ₩ doz $60.00
Dixon's.....₩ doz 33⅓%
Nos..... 1 2 3 4
$14 $17 $19 $30
Enterprise.....25%
Nos.....10 12 32 33 42
Each...$3 $3.50 $4 $6 $15
Hales Pattern ₩ doz.....70@70&5%
Nos.....11 12 13
$27 $33 $45
Home No. 1..₩ doz $20.....60%
Little Giant.....50&10%
Nos. 305 310 312 320 323
$35 $48 $44 $72 $68
Miles' Challenge ₩ doz...45@45&10%
Nos..... 1 2 3
$22 $30 $40
Perfection.....net
Woodruff's ₩ doz.....33⅓%
Nos.....100 150
$15 $18

Metals, Anti-Friction—

Magnolia Metal Co.:
Magnolia, Anti-Friction, ₩ lb..25c
No Name.....₩ lb..18c
Mystic.....₩ lb.. 8c
f. o. b. New York or Chicago.

Molasses Gates—

Enterprise.....20%

Mop Wringers—

Matchless (Canton, O.), ₩ doz.$12.00

Nails—

WIRE AND CUT NAILS—

See Trade Report for quotations.
Wire Nails and Brads, Papered, Ass'n list, May 1, 1893.....87½%
Grand Crossing Tack Co. List:
Wire Brads.....80%
Wire Nails.....80%

FIXTURE—

Brass Head, Combination list, 50& 10%
Brass Head, Sargent's list, 70&10@ 70&10&5%
Niles' Patent.....40%
Porcelain Head, Comb'n list, 40&10%
Porcelain Head, Sargent's list, 50& 10%

FURNITURE—

Antique Bronze.....10%
China.....25%
Fire Gilt.....10%
Plain.....40%

Nail Pullers—

Black Hawk, per doz.....$9.00
Giant, No. 1, ₩ doz $18.00; No. 1½, $16.50; No. 2, $15.00.....30&5%
Lightning.....₩ doz $18.00, 20%
National.....40%
Pelican.....₩ doz $9.00, 15&10%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Buck Bros.....27½%
Cannon's Diam'd Point₩ gr.$12, 25%
Dunlap's.....20%
Humason's.....50&10%
Hunters' Cup Point Knurled..... ₩ gro. $10.00
Hunters' Cup Point, Plain..... ₩ gro. $9.00
Round, assorted.....₩ gr. $3.00@3.25
Square.....₩ gr. $4.00@$4.25

Nippers—

Acme.....50%
Smith's Cutting.....50%
Todd's Cutting.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..40%
Turner & Seymour Mfg. Co.....50%

Nuts—

Cold Punched, Square, off list. $5 40
Hex, off list.....$5 70
Hot Pressed, Square, off list..$5.90
Hex, off list.....$6.70
Tapped.....50%

Oilers—

Brass and Copper.....50&10%
Cushman & Denison's:
Pocket Oilers.....₩ doz. $1.55
Star Pocket Oilers..... .75
Draper's:
Brass.....70&10%
Steel.....70&10%
Malleable. Hammers, New Style, 10@10&5%
Malleable, Hammers, Old Pattern, same list.....50&10%
"Paragon," Brass.....50&10@60%
"Paragon," Zinc.....70@70&10%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....75%
Zinc and Tin.....70&10@75%

Oil Stones, etc.—

OIL STONES—

Pikes Washita:
Lily White, ₩ lb.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ lb..... .50
No. 1..... .40
No. 2..... .30

Pike's Washita Round Edge Slips: 3 to 5x1¾ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb..... .70
Discount 33⅓%.
Pike's Washita Mounted No. 1:
8x2, ₩ doz.....$12.00
7x2, " 11 00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x⅝ to 1¼, ₩ lb..... .24
" 2x2x⅝, extra selected.. .40
Discount 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
" Boston".....60%
" Excelsior" Self-Vulcanizing, per lb 70c.....40%
Boston "Phoenix" Red Sheet, per lb.....50c.net
Extra.....60&5@60&10&5%
Standard, Fair Quality..70&10@75%

MISCELLANEOUS—

American Packing.....9c@10c ₩ lb
Cotton Packing.....14c@15c ₩ lb
Italian Packing.....13c@14c ₩ lb
Jute.....6c@7c ₩ lb
Russian Packing.....18c@14c ₩ lb

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Gold Medal.....₩ doz 4.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Oriole.....₩ doz 4.00
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Rocking Table.....₩ doz 5.50
Scott's Pat. Rotary, ₩ doz $15.00, 20%
Turntable.....₩ doz 4.50
Victor.....₩ doz 13.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00

POTATO—

Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50
White Mountain.....₩ doz $4.50

Pencils—

Dixon's:
Carpenters'.....₩ gr. $4.00@7.50
Carpenter, Yellow or Brown Lead.....₩ gro. 9.00
Lead.....₩ gro $4.50
Lumber.....₩ gro. 6.37
Mascot, Hexagon.....₩ gro. 3.38
Mascot, Round.....₩ gro. 3.10

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $18.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Bailey's (Stanley R. & L. Co.) 50&10@50&10&10%
Bench, First Quality.....55%
Bench, Second Quality....60@60&10%
Fales Bench.....25%
C. E. Jennings & Co.....50&10%
Molding.....50%

IRON PLANES—

Chaplin's Iron Planes.....50&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting.....25%
C. E. Jennings & Co., Iron.....5/ &10%
Meriden Mal. Iron Co.'s..40@40&10%
Sargent's.....60@60&10%
Siegley's:
Bench.....40%
Combination, each.....$4.50 net
Standard Tool Co.....50@50&5%
Stanley Rule & Level Co.:
Bailey's..50&10&10@50&10&10&5%
Miscellaneous.....25&10%
Steer's Iron Planes..50&10@50&10&5

PLANE IRONS—

Auburn "Thistle"..... Ohio..... Sandusky.....} 30&10@40%
Buck Bros.....30%
Butcher's.....$5.00@$5.25 to $
Hinsdale.....25&10%
C. E. Jennings & Co.....25&10%
Stanley Rule & Level Co.....50&10%
L. & I. J. White.....20&5@25%

Pliers and Nippers—

Button's.....70&10@70&10&5%
Carew's Pat. Wire Cutters.....25%
Cronk's:
Button Pattern.....70%
Gas Pliers, No. 100.....40%
Stubb's Pat. Pliers.....50%
Hall's Nippers, ₩ doz., No. 2, 5 in. $13.50; No. 4, 7 in. $21.00....40&10%
Hall's Pliers.....70%
Humason & Beckley Mfg. Co.50@50 &10%
Wm. Johnson's Gas Pliers.....66⅔%
Morrill's Parallel, ₩ doz $12.00 30&5%
Smith's Side Cutting.....25%
Stube'.....20%
Swiss Pliers.....25%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%

Plumbs and Levels—

Cook's.....40&10&10%
Davis':
Inclinometers.....20%
Iron Levels.....25&10%
Disston's.....50%
Wm. Johnson's.....75%
Plumb Bobs.....40%
Pocket Levels.....70&10&10@75&10%
Stanley's.....75&10&10%
Stanley's Duplex.....25&10%
Wood's Extension Sight.....33⅓%

Poachers—

See Egg Poachers.

Police Goods—

J. P. Lovell's Police Goods.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
Tower & Lyon's.....25%

Polish, Metal—

Prestoline Liquid, New List.....40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Dixon's Plumbago.....₩ lb 8c
Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75

Poppers, Corn—

Round or square, 1 qt., ₩ doz. $ .75; ₩ gr. $6.50 / 1½ qt. ₩ doz. $ .85; ₩ gr. $8.00 / 2 qt., ₩ doz. $1.15; ₩ gr. $12 00 } 10@15%
Quincy Corn Popper, 1 qt., ₩ doz. $3.00; 2 qt., $4 00.....33⅓%

Post Hole Diggers—

Ryan's.....₩ doz., $20.00, 25%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Cronk's Pruning Shears.....33⅓%
Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%
Disston's Pruning Hook....₩ doz $13.00, 25@25&10%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
Henry's Pruning Shears ₩ doz $3.50@$3.75
E. S. Lee & Co.'s Pruning Tools.40%
P. S. & W. Co.'s Shears.....60%
Pruning Shears, Henry's Pat. ₩ doz.....$3.50@3.75
Waters Tree Pruners.....75&10%
Wheeler, M. & C. Co.'s Combination.....₩ doz $13.00, 25&10%

Pulleys

Awning.....60@60&10%
Axle.....60&10@60&10&10%
Brass Screw.....66⅔@70%
Ceiling.....50@10&60%
Clothes Line, Japanned..60@60&10%
Common Sense.....60%
Dumb Waiter.....60@60&10%
Empire Sash Pulley.....60%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%
Hot House.....50&10@50&10&10%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%
Side, Anti-Friction.....50%
Shade Rack.....45%
Upright.....50&10@50&10&10%

Pumps—

Cistern, Best grades..65&10@70&10%
Pitcher Spout, Best grades75&10@80%
Pitcher Spout, Cheaper Goods. 80&5@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig. 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14, Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70, Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig. 333, 3 in. Deep Well Pump.....$15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No. 118, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 260 Fig. 484, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 572, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 330. Fig. 492, Bucket Spray Pump.....$5.50
No. 33 , Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% f. o. b. Ashland.

Punches—

Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Bemis & Call Co.'s:
Cast Steel Drive,.....50@5%
Check.....55%
Spring.....50&5%
Springfield Socket.....65%
Morrill's Universal.....35%
Niagara Hollow.....45%
Niagara Solid.....55%
Rand's Centering Marking Tool..25%
Rice's Hand.....15%
Saddlers' or Drive,good ₩ doz..60@65%
Spring,good quality,₩ doz $1.70@1.80
Spring, Leach's Pat.....15%
Tinners' Solid, P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow, P. S & W. Co 20&2%

Rail—

Barn Door, Light, In. 1½ 5½ 3
Per 100 feet.....$1.40 1.95 2.80
Barn Door, "None Better" No. 1, ₩ foot.....2¾c
Barn Door, "None Better" No. 2, ₩ foot.....3¼c
B. D. for N. E. Hangers: Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Carrier Steel Rail, ₩ foot.....4½c
Cronk's:
Competition.....₩ foot, 2¼c
Common.....₩ foot, 2¼c
Double Braced.....₩ foot, 2¾c
Lanes' O. N. T.....₩ 100 ft. $3.40
Moore's Wrought Steel.....35%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft 5c
Sliding Door, Wr't Brass, 1½ n. ₩ lb, 35c.....30&10@40&5%
Terry's Steel Rail, ₩ foot.....3¼c
Victor Track Rail, 7c ₩ foot, 60&10&3½%

Rakes—

Cast Steel, Association goods.75&15%
Fort Madison Red Head Lawn, $3.25
Ft. Madison Blue Head Lawn, $3.00
Gibbs':
Acme.....net ₩ doz. $4.00
Boss, Garden, 14 teeth, net ₩ doz. $2.60
Boss, Garden, 18 teeth, net ₩ doz. $2.75
Canton Lawn Rake...₩ doz. $3.50
Crown Lawn, No. 1....₩ doz. $3.50
Hustler, No. 0.....₩ doz. $3.30
Lawn Rake.....₩ doz. $4.75
Malleable.....70&10@75%
Oneida Lawn.....doz. $4.00
Peerless Socket and Shank..75&15%
Prize Bow-Brace.....75&15%
Queen City.....33⅓%

Razors—

Electric.....List net
J. R. Torrey Razor Co.....30%
Westenholm and Butcher, $10.00 to $.....10%

Registers—

HOT AIR—

Ferrosteel Japanned.....80&10%
Ferrosteel, Nickelplated.....75&10%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

American Screw Co.:
Bay State Rivets..... ...75&5%
Burrs.....75%
Soft Steel.....80%
Copper.....60&10&5@60&10&10%
Norway, list Feb. 26, '96.....70%

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Rivet Sets—

Regular list.....70@70&10%

Rollers—

Barn Door, Sargent's list..60&10&10@70%

Cronk's:
Acme Barn Door.....50%
Adjustable Stay..₩ doz. $1.00 net
Screw Stay.....₩ doz. 60c net

Rope

Cotton Rope, Best,
¼ in. and larger.....₩ lb 14½@15c
Medium, ¼ in. and larger.....₩ lb 13 @13c
Common, ¼ in. and larger.....₩ lb 9½@10c
Jute Rope.....₩ lb 5½c
Manila:
7-16 in. and larger..₩ lb 6½@6½c
⅜ in.....₩ lb 6½@7 c
¼ and 5-16 in.....₩ lb 7½@ ½c
Hay Rope, Med.....₩ lb 6½@6½c
Sisal, ⅝ in.....₩ lb 5½c
¼ and 5-16 in.....₩ lb 5½c
7-16 in. & larger.....₩ lb 4½c
Med. L'th Y'rn.....₩ lb 4½c
Hay Rope.....₩ lb 4½c

Rules—

Athol, Steel.....33⅓%
Boxwood..50&10&10@50&10&10&10 &10&10%
Ivory.....50&10@50&10&10%
Lufkin's:
Steel.....55%
Lumber.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....35&10%

Sad Irons—

Chinese Laundry.....₩ lb 4½@5c
Chinese Sad.....3½@3½c
Colebrookdale Iron Co.:
Crown, Improved Pol, ₩ doz. $6.50
Nickel.....₩ doz. $7.00
Comm n 4 to 10.....₩ lb 2½@2½c

COLD HANDLED—

Enterprise Mfg. Co. of Pa.:
No. E 50, nickel plated, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.45
No. E 50, nickel plated, size 1, 2, or 3 without handles, ₩ doz. $4 45
No. E 55, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.70
No E 55 plain polished, size 1, 2 or 3 without handles, ₩ doz. $4.00
No E 60, nickel-plated, size 1, 2 or 3 with "best" handles, ₩ doz.....$8.25
No. E 60, nickel-plated, size 1, 2 or 3 without handles, ₩ doz. $5.25
No. E 60, nickel-plated, size 4, with "best" handles, ₩ doz $9.50
No. E 60, nickel-plated, size 4, without handles, ₩ doz.....$6 80
No E 65, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.75
No E 65, plain polished, size 1, 2 or 3 without handles, ₩ doz. $4.75
No. E 65, plain polished, size 4, with "best" handles.....$8.80
No. E 65, plain polished, size 4, without handles.....$5.80
The "Best" Handles, with Forged Iron Stretchers, ₩ doz.....$3.00
Self-heating.....₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $22.50, 25%
Sensible Nickel.....₩ doz. $7.00
Sensible Pol.....₩ doz $6.50
Sensible, Tailors'.....₩ lb 3@3½c

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Emery Cloth.....50&10@60%
Garnet Paper.....30@ [illegible]
Sand and Emery Paper.50&10@40%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%

Sash Cord—

Cable Laid Italian Sash.....₩ lb 16c
Cable Laid Russia....₩ lb 13½@14c
Common.....₩ lb 8½@9c
Common Russia Sash.₩ lb 13½@13c
India Hemp Sash.....₩ lb 9½@10c
Jute, good quality.....₩ lb 11c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ lb 30c
"Samson" Braided Drab, Cotton.....₩ lb 35c
"Samson" Braided Italian Hemp.....₩ lb 38c
"Samson" Braided Linen, ₩ lb 56c
Silver Lake:
A Quality, Drab..₩ lb 55c. 35@40%
A Quality, White, ₩ lb 50c. 35@40%
B Quality, Drab, ₩ lb 35c..... 15@15&7½%
B Quality, White ₩ lb 30c..... 15@15&7½%
White Cotton Braided, ₩ lb.21c@25c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts Flush.....70%
Sash Lifts With Lock.....60&10&10%
Sash Rollers.....70%
Shutter Bars.....60&10@70%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%

Sash Locks—

Champion Safety.....70&10&5%
Corbin's Daisy, '95 list.....40@45%
Davis, Bronze, Barnes Mfg. Co...60%
Hammond's Window Springs, A.....60&10%
Hammond's Window Springs, B..50%
Ives' Patent....60&10&5@60&10&10%
Payson's Perfect.....70%
Reading.....60&10&10@70%

Sash Weights—

Small lots.....₩ ton, $30.00@$31.00
Ton lots at factory.....$18.00@$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....30%
Enterprise Mfg. Co.....25%
National Specialty Mfg. Co.....35%

Saws—

Atkin's:
Band.....50&10%
Butcher, Pruning and Compass.....40&10%
Circular.....50&10%
Cross Cut.....40&10%
Gang.....50&10%
Hand.....40&10%
Wood.....40&10%
Disston's:
Circular.....45@50%
Cross Cuts.....40&10%
Gang.....40%
Panel, Hand & Rip.....25%
Haines' Needle Point.....40%
C. E. Jennings & Co.'s:
Butcher.....30%
Hand Panel, Rip and other Saws.....25%
Peace:
Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
Richardson:
Circular and Mill.....45&10%
X Cuts.....45&10%
Hand-saws.....25&10%
Star, Butcher.....25%
Woodrough & McParlin Cross Cuts.....45&10%

HACK SAWS AND FRAMES—

Chatillon.....30%
Grimm's:
Complete'.....40&10%
Saw Blades.....40&10@50%
Star, Saws and Blades.....25%

Saw Frames—

C. E. Jennings & Co.....20%
Red, Polished and Varnished...₩ doz., $1.00@$1.10
Richardson's Wood.....net
White Vermont..₩ gro. .$8.50@$9.00

Saw Sets—

Atkin's:
Criterion Saw Sets, ₩ doz.....$6.00
Excelsior Saw Tools ₩ doz.....$6.00
Bemis & Call Co.'s:
Cross Cut.....30&5%
Hammer, New Pat.....45%
Plate.....20%
Spring Hammer.....30&5%
Disston's Star.....25@25&10%
Hart's Pat. Lever.....20%
Kohler's:
"Giant Royal".....₩ doz. $10.00
"Royal".....₩ doz $6.00
Leach's.....33⅓%
Morrill's:
No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Cross-cuts Nos. 3 and 4, $32.00; No. 5, $31.00.....40&20%
Richardson's.....25%
Seymour Smith & Son, Hammer, ₩ doz.....$4.75
Stillman's ₩ doz.....$1.00
Taintors Positive...$18.00 ₩ doz. 60%

Scales—

Chatillon's:
Eureka.....25%
Favorite.....40%
Grocers' Trip Scales.....50%
Family, Turnbull's.....30@30&10%
Hatch:
Counter, No. 171, ₩ doz. $17.00@$18.00
Tea, No. 161.....₩ doz. $5 75@$6.00
Union Platform Plain...$3.00@$3.10
Striped.....$3.15@$3.25

Scale Beams—

Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%
Scale Beams, List Jan. 12, '89. 50&10%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $4.00.....40&10%
Box, 1 Handle.....₩ doz., $3.00
Box, 2 Handle....₩ doz., $3.40@$4.00
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60@60&5%
Extension.....50&10&5%
Flyer.....50&10&5%
Perfection Screens.....60@60&5%
Window Screen Frames.....60&5%
Stearns':
Frames and Corners....25@25&10%
Gem Window Screen Frames, 25&10%
Monarch Adjustable Window Screens.....50%

Screen Doors—

Phillips:
Empire Fancy.....30&25%
Fancy Pine.....15%
Painted.....50&5%
Stained.....50&10%
Standard Oil.....35&40%

Screw Drivers—

Brace Screw-Drivers.....25&10&5%
Buck Bros.....30%
Screw-Drivers Bits.....27½%
Champion.....40&10%
Disston's.....5.00@5.10
Pat. Excelsior.....5.00 5%
Ellrich's Socket and Ratchet.40&10%
Fray's Hol. Hdle. Sets, No. 3, $12.50%
Howard-Allard.....50&10&10%
C. E. Jennings & Co.....40&10%
Jennings & Griffin.....65&10%
Wm. Johnson's:
1 5 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20 and 40.....50@50&10%
Screw-Driver Bits....₩ doz., 50@75c
Screw-Driver Bits, Parr's₩ gro. $4.25
N. E. Specialty Co.'s.....50&10%
Stanley R. & L. Co.'s:
No. 61, Varnished Handles.70&10%
No. 66.....75&10%
Tower & Lyon:
Champion.....33⅓%
"Handy" Ratchet.....35%
Williamson's:
Beauty, ₩ doz.....$1.00 } 40%
Gem, ₩ doz.....90c }
O.T. Williamson Wire Novelty Co.40%

Screws—

WOOD SCREWS—

Brass, Flat Head.....90%
Brass, Round Head.....85%
Bronze, Flat Head.....87½%
Bronze, Round Head.....85%
Copper, Flat Head.....65%
Copper, Round Head.....60%
Drive Screws.....90%
Iron, Bright Flat Head.....90%
Iron, Br't R'd & Oval Head.....85%
Iron, Forged Flat Head.....90%
Nickel Plated, Flat Head.....80%
Nickel Plated, Round Head....77½%
Phosphor Bronze, Flat Head.....80%
Phosphor Bronze, Round Head..55%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....60%

MACHINE—

Brass, Flat Head.....45%
Brass, Round Head.....40%
Iron, Flat Head.....45%
Iron, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron, ₩ doz., 1 in., $2.75; 1¼, $3.00; 1¼, $3.50
Bench, Wood, Beech, ₩ doz $2.00@2.20
Chair.....60&10%
Coach.....82½%
Hand Rail Am. Screw Co.....82½%
Hand Rail, H. & B. Mfg. Co.....80%
Hand Rail, Sargent's....70@70&10%
Hand, Wood.....30&10@40%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W...40@40&10%
Jack Screws, Sargent's.....75%
Jack Screws, Stearns'.....40&10%
Lag Blunt Point, list Jan. 1, 1890. 75&20@30&10%
Piano Stool.....60&10%

Scroll Saws—

Barnes' No. 1, $8; No. 6, $10; No. 7 $15.....25%
Barnes Scroll Saw Blades.....40%
Cricket.....10&10%
C. E. Jennings & Co.....20%
Lester, complete, $10.00.....1%&10%
Rogers, complete, $4.00.....15&10%

Scythes—

Grain.....50&10%
Grass.....50&10%
Scythe Snaths.....50&10@50&10&5%

Seeders—

Raisin, Enterprise.....25%

Shaft Couplings—

Bradley's:
Buggy, No. 8, ₩ Set.....$2.25
Surrey, No. 9, ₩ Set.....$2.60

Shears—

Acme (Cast).....40@40&5%
Ætna, Steel Japanned.....40&10%
Ætna, Steel Nickeled.....70&20%
Barnard's Lamp Trim'rs.₩ doz.$3.75
Clauss:
Nickel.....60%
Japanned.....70%
Davenport Cutlery Co.'s...60@60&10
Heinisch's:
St. Trimmers, etc...60&10&10@70%
Tailor's Shears.....30&10@40%
Pruning, See Pr'ning H'ks & Shears.
Seymour's List, Dec., 1881. 60&10@60&10&10%
Wiss & Sons:
Japanned.....70%
Nickeled.....60%
Tailors' Shears.....60&10%
Tin Snips.....45%

Sheaves—

SLIDING DOOR—

Corbin's list.....60&10&2%
Hatfield's Pattern.....70&10@80%
M. W. Co., list July, 1892.....60&10&10&5%
Moore's Anti-Friction.....50%
Patent Roller.....60&10@60&10&10&5%
R. & E., list August 15, 1895. 60&10@60&10&5%
Russell's Anti-Friction, list Dec. 18, 1895.....60&2%

SLIDING SHUTTER—

Reading list.....60%
R. & E. Mfg. Co.'s.....60@60&10%
Sargent's list.....60@60&10%

Shoes, Horse, Mule, &c.—

HORSE—

Bryden's Frog Pressure.....$4.00
Burden's, Perkins', Phœnix and Bryden's, from jobb's..$3.15@$3.40
Perkins Steel Side Weight Hind $3.15@$3 40
Perkins Improved Snow.....₩ lb 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ lb 9c
1000 lb lots.....₩ lb 9½c
500 lb lots.....₩ lb 10c

Shot—

See Ammunition.

Shovels and Spades—

O. Ames & Sons:
C.S. Edge.....60@71½%
Pat. Cast Steel.....71½@10%
Blair's Cast Steel.....5%
Bouve's Steel.....10%
Carter's Cast Steel.....5%
Sanderson's Cast Steel.....5%
Stone's Cast Steel.....5%
H. M. Myers and other manufacturers are now selling at Association discounts.

Shovels and Tongs—

Brass Head.....60&10@60&10&10%
Iron Head.....60&10@50&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $10@11.50

Skate Sharpeners—

Eureka...₩ doz. $1.75; ₩ gro. $18.00

Slaw Cutters—

Enterprise.....25%
Enterprise Mfg. Co.....25%
Tucker & Dorsey:
1 Knife.....₩ gro. $15.00@$18.00
2 Knives.....₩ gro. $20.00 @$27.00
Kraut Cutters.....50@50&10%
Woodrough & McParlin.....40%

Slicers—

Vegetable, Enterprise.....25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Cockeyes.....70&10%
Oxweld Mfg. Co.....45&20&5%
German, new list .40&10@40&10&10%
Fitch's (Bristol).....50%
Sargent's:
Patent Guarded.....70&10&10%
Covered Spring.....60&10%
Open Spring.....70@70&10%

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Covert Mfg. Co
Breast Strap Buckle Snaps
Breast Strap Protector....
Double for Bite or Trace Carrier.....
Loop Eye.....
Loop Eye, Swivel.....
Open Eye.....
Round Eye.....
Round Eye, Swivel.....
45&2% @50%

Covert Saddlery Works:
Banner.....60&20%
Triumph.....60&20%

Spoke Shaves—

Bailey's (Stanley R. & L. Co.) 50&10%
Iron.....₩ doz. 5 & 10%
Millers Falls.....15&10%
Seymour Smith & Sons, Iron.....20%
Wm. Johnson's:
Wood, Best.....20%
Wood, 2nd Quality.....33⅓%
Wood.....₩ doz. 35&10%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10@30%
B. B. Noyes Meat Forks..50&10@30%
Buffalo S. S. & Co.....33⅓&2%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Holmes & Edwards Silver Co..60%
L. Boardman & Son.....Catalogue
"B"—net List
Meriden Brit. Co. Rogers Bros.40&10%
C. Rogers & Bros.....40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....60%
Simpson, Hall, Miller & Co.....60&5%

MISCELLANEOUS—

Boardman's:
Britannia Spoons, Catalogue "B".....net List.
Nickel Silver, Catalogue "B" net List
Britannia.....60&10%
German Silver.....60&10%
German Silver, Hall & Elton..50& 5% cash
Wm. Rogers Mfg. Co.:
1⅝ Rogers' German Silver...60&5%
2⅝ Rogers' Nickel Silver....60&5%
Rogers' Silver Metal.....60&10&5%

Springs—

See Door Springs.

Squares—

Disston Try Square and T Bevels, 60&10%
Starrett's Micrometer Caliper Squares.....35%
Try Square and T Bevels.60&10&5 @60&10&10%
Winterbottom's Try & Mitre.60&10%
Nickel-Plated.. 75&11@75&1 &10
Steel and Iron..

Stair Rods—

Black Walnut.....60%
Brass, Oval or Hollow.....50%

Staples—

Barbed Blind—⅛, ⅝, and ¾ inch, ₩ lb.....6c@6½c
Grand Crossing Tack Co. List: 75&10%

Stocks and Dies—

BLACKSMITH'S—

Butterfield's Goods.....35@40%
Gardner.....33⅓&10%
Lightning Screw Plate.....35%
Reece's New Screw Plates.....35@30%
Waterford Goods.....3c@40%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stove.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March, 25, '95.
2% cash. Market irregular and lower prices on some lines.
American Cut Tacks.....90&10%
Carpet Tacks:
American, Blued....90&10@90&5&10%
American, Tinned...90&2½@90&25%
Leathered.....60%
Steel.....90&20%
Swedes, Lanc.....85&10%
Swedes, S. S.....90&25%
Swedes Iron Tacks:
Lanc.....85&10%
S. S.....90&10&5%
Basket Tacks.....75&10%
Basket Nails.....80%
Bill Posters' and Railroad Tacks:
S. S.....90%
Brush Tacks and Nails.....75&15%
Chair Nails.....8%
Cigar Box Nails.....75%
Common and Patent Brads.....80%
Finishing Nails.....75%
Gimp Tacks:
Lanc.....80&20%
S. S.....90&15%
Hungarian Nails.....85&10&5%
Lace Tacks.....
Lanc.....80&20%
Looking Glass Tacks.....70%
Picture Frame Points.....70%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Trunk and Clout Nails:
Black.....80&5%
Tinned.....60&10&5%
Upholsterers' Tacks:
Lanc.....80&20%
S. S.....90&10%

MISCELLANEOUS—

Bill Nye Brad Box.....₩ box $4.00
Bill Nye, Jr., Brad Box..₩ box $2.00
Bonnie Blue.....₩ box $1.50
Can Opener Carpet Tacks.₩ gr $4.00
Dble. Point.90&10&10&10&10&10&10%
Hammer Carpet Tacks...₩ gr $4.50
Miniature Keg Tacks..66⅔&33⅓&& 10&10&2%
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓&& 10&2%

Tack Pullers—

Columbia, No. 1, per doz., net,....$1
" " 2, " " .. 1.50
Little Jack.....₩ doz. $1.00

Tapes, Measuring—

American.....40&10@50%
Chestermans.....30@3 &5%
Keuffel & Esser Co 25%
Lufkin's Steel and metallic.....40%

Taps—

American Screw Co.
Machine Screw.....70%
Blacksmiths' Taper.....60&10@60%
Hand and Machine.....60&10@6 %
Pipe.....80%

Telephones—

Union Electric Co.:
Letter A, Complete....each, $10.00
Letter B, for Warehouse..each, $8.50
F. o. b. cars Cleveland.

Tin, Perforated

Harrington & King Perforating Co.: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.50	$1.55
2	9.00	1.55
3	8.35	1.35
4	7.75	1.30
5	7.20	1.20
5½	7.25	1.20
6	7.00	1.15
7	7.00	1.10
8	6.75	1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&5&2½%

Tobacco Cutters—

National Specialty Co.....30&5%

Trammel Points—

Backus and Union.....40%
C. E. Jennings & Co., "Eureka".25%
Cook's.....25%
Sargent's.....70&10@70&10&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Prentiss'.....20@25%

Tracks, &c.—

F. E. Myers & Bro.:
Comb. Car., Double Steel T...$3.50
Comb. Car., Wood Track....$2.25
Common 6 in. Wood Sheave Pulley, Fig. 428, ₩ doz.....$1.65
D. H. Fork, Steel Regular, e'ch .75
Double Grapple Fork, each...$2.25
Double Rail Steel Track complete with clamps, ₩ ft..... .09
Faultless Steel Frame K. P Pulley, Fig. 435, ₩ doz.....$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ₩ doz.$1.75
Floor Hooks, ¾ in. ₩ doz. .65
Floor Pulley, Wood Sheave, Fig. 436, ₩ doz.....$3.00
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track 14 in., ₩ doz..... .55
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz.$3.00
Malleable Rafter Brackets, ₩ doz..... .45
Nellis Fork, each.....$1.50
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
New Myers Iron Rod Car.....$2.75
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz.....$2.25
Rev. Car., Double Steel Track $3.50
Rev. Car., Wood Track.....$2.25
Rope Hitch ₩ doz.....$1.75
Single rail Car, Single Steel T.$3.50
Single rail Steel Track with clamps, ₩ ft..... .09
Sprouts Shear Fork, each....$1.40
Steel Frame Pulley with Iron Sheave, Fig. 555, ₩ doz.....$1.50
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Walker Fork, each.....$1.15
Wrought Rafter Brackets, ₩ doz..... .45

Transom Lifters—

Ajax.....50&10@50&10&5%
Bronze Metal, with Safety Spg. 5 @ 0&10%
Crescent.....7 @7 &10%
Dickeons.....60%
Nickel Plated.....50&10%
Payson's Solid Grip, Nos. 8 3 and 804.....₩ 100, $12.00
Shaw's:
Copper Finished.....8 &10%
Lever.....70@70&10%

Traps—

GAME—

Blake's Patent.....60@60&10%
Enterprise Mole.....15%
Newhouse.....40&10@50&5%
Oneida Pattern.....75&5@75&10%

MOUSE AND RAT—

Enterprise Mfg. Co., Mole..... 15%
Rat. .....40@40&10%
Household.....₩ gr $10.00
Hotchkiss:
Metallic Mouse,.....₩ doz. 65c
Improved Rat.....₩ gross, $12.50
New Rat.....₩ gross, $12.50
Mouse, Bonanza...₩ doz 90c@$1.00
Mouse, Catch-'em-Alive ₩ doz $2.50,15%
Mouse, Delusion..... 40%
Mouse, Ideal.....₩ gr $9.00
Mouse, Round Wire.₩ doz $1.50, 10%
Mouse, Wood, Choker, ₩ doz holes 10c@9c
Schuyler Rat Killer, No. 1 ₩ gro., $13.50; No. 2 ₩ gro., $15.00
Smith & Egge Mfg. Co:
Superior Rat Trap, ₩ doz....$15.00
Yankee Mouse Trap, ₩ doz.. $5.50
Yankee Rat Trap, ₩ doz.....$11.00

FLY-

Balloon, ₩ doz $1.35.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ doz., $1.25; ₩ gr. $13.50
Harper....₩ doz., $1.75; ₩ gr. $16.50

Trowels—

Brade's Brick.....35@33⅓%
Disston's:
Brick.....30%
Plastering.....25%
Pointing.....30%
C. E. Jennings & Co.:
Brick.....30%
Plastering.....25%
Pointing.....30%
Wm. Johnson's:
Brick.....40%
Plastering.....40%
Pointing.....40%
W. & McP. Plastering....35@25&10%
Peace's Plastering.....25@25&5%
Richardson.....35@25&10%
"Rose" Brick Plastering and Moulders.....3 @30& 10%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vegetable Slicers—

Enterprise Mfg. Co. 25%

Vises—

Solid Box.....50&10@30%

PARALLEL—

Alligator.....50%
Armstrong's:
Combination.....50%
Plain and Hinge.....60%
Athol, Oval Slide.....60&10%
Bonney's Champion.....45@45&10%
Fisher & Norris Double Screw15&10%
Holland's.....40@40&10%
Howard's.....40&10%
Little Giant Bench.....35&10&5%
Lowell Hand.....33⅓%
Massey's Quick Action.....20@25%
Merrill's.....20&15%
Millers Falls, Mechanics'...net@10%
Moore's.....20%
Parker's.....20@25%
Oval Slide..... 50&10%
Victor.....30%
Prentiss.....20@25%
Sargents.....7 &10%
Simpson's Adjustable.....50%
Stephens'.....20@30%
Trenton.....40&5@40&10%
Wilson'.....55%

SAW FILERS—

Bonney's Nos. 2 & 3, $15.00.....60%
Stearn's Com., No. 0, 1, 2, and 3..50%
Stearn's Rubber Jaw, Nos. 10 and 33.....33⅓%
Wentworth's.....35%

Wads—

See Ammunition.

Wagon Jacks—

Covert's Saddlery Works:
Victor.....60&20%
Daisy.....60&20%
Lane's Steel 80%

Washer Cutters—

Otis A. Smith's.....20&10&10%

Weather Strips—

Church's:
Axtell, Lacquered, 36 in. ₩ doz. $5.00
Axtell, Lacquered, 42 in. ₩ doz. $7.00
Axtell, Pol. Brass, 36 in. ₩ doz. $12.00
Axtell, Pol. Brass, 42 in. ₩ doz. $15.00

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $3.50@$12.00
American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $23.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft. $10.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
Americus, 9s Pen Whip, 6 ft., $6.00
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
Eureka, Two-thirds Whalebone 5½ ft., $10.00; 6 ft., $16.50 6½ ft. $18.00; 7 ft., $20.00.
Gents' Light Driving, No. 111, 6 ft.....$6.00
Gents' Light Driving, No. 106, 6 ft.....$5.0
Hand-Made Stocked Java, No. 103.....5½ ft., $3.75; 6 ft., $4.0
Hardware Assortment 10 | American, 75 Whips for.....$50.00
New Name, Stocked Java, Black and Wine Colors.....6 ft., $3.00
Team Whips....₩ doz $2.0 @$7.50
True Grip, Raw Hide Center, 4½ ft. $6.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.

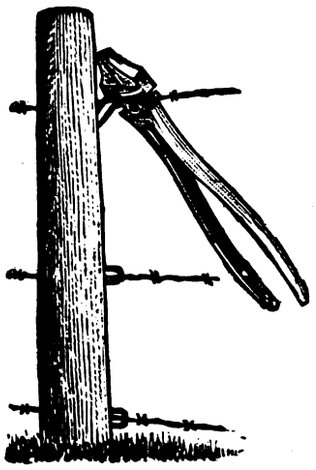
Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—

Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Brass Wire.....35%
Bright Wire Goods, Standard list 35&10@35&10&5%
Cast Steel Wire.....50%
Copper Wire.....45%
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&10%
Malin's Brass and Copper on Spools.....50&10%
Market Wire:
Brt. & Ann., Nos. 0 to 18..80@80&10%
Cop'd, Nos. 0 to 18, 75&10@75&10&5%
Galv., Nos. 0 to 18.75&10@75&10&5%
Tin'd, Tinned list Nos. 0 to 18.... 75&10@75&10&5%
Picture Wire.....New list 35&10%
Steel Music Wire, Nos. 13 to 80, Imported, ₩ lb.....60@70c
Stub's Steel Wire.....$6.00 to $ 30%
Tate's Spooled Wire:
Annealed and Tinned.....60&10%
Copper and Brass.....50&10%
Tate's Wire Picture Cord Braided and Twisted.....35@10&10%
Tinned Broom Wire, Nos. 13 to 21, ₩ lb.....4½c
Wire Clothes Lines, see Lines.

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CRONK'S

Combination Fencing Plier.

This newly invented fencing tool is needed by all people that build or have occasion to remove or repair wire fence, as it is made with two staple pullers, two hammers and two button cutters. They are the same heft as the 1¼ Maydole Hammer, and they are made of forged tool steel. No good farmer will be without one. They are warranted to cut No. 8 hard or No. 6 soft wire. Like the celebrated Cronk Plier they are fully warranted in all respects. No. 12, 11 in. long, $12.00. Dis. . . .

CRONK HANGER CO., ELMIRA, N. Y.

Wire Cloth, Netting, &c.—

Brass Cloth.....40@55%
Galvanized Wire Netting..50&10@50&20%
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.15@$1.20
Steel Bolting Wire Cloth.....30@55

Wire Rope—

List.
Cast-steel.....2½&2½&3% cash
Iron.....20&2½&3% cash
Iron, Galvanized..20&2½&3% cash

Wire Rope Clips—

Crosby.....25%

Wire Stretchers—

W. C. Heller's Grip.....₩ doz. $1.50

Wrenches—

Acme:
Bright.....60@60&10%
Heavy.....50%
Nickel.....50&10@60%
Agricultural.....30@30&10%
Aiken's Pocket (Bright)..$2.00@2.20
Alligator.....50@50&10%
Always Ready.....33⅓&50@40%
American Adjustable.....40@40&10%
Armstrong's.....40%
Baxter's.....65@65&10%
Bemis & Call's:
Brigg's Pattern.....30&10%
No. 3 Cylinder or Gas Pipe.....55%
No. 3 Pipe, Bright.....60%
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Boardman's.....30@33⅓%
Champion Carriage.....40%
Cincinnati Tool Co:
Bit.....&10%
Standard Brace.....25
Coes':
Genuine.....40&10&5&5&3%
"Mechanics'".....40&10&10&5&5&3%
Pattern Wrought.....30&10%
Donohue's Engineer.....40&10%
Eagle Pipe.....50&10%
Expert Bicycle.....33⅓&10%
Girard Standard.....65&10@70%
Hall's Pipe.....50%
Hercules.....70&10@75%
Lamson & Sessions':
Engineers'.....60@60&10%
Standard.....70&10%
Lowell:
Lag Screw.....25%
Ratchet.....33⅓%
Socket Bridge.....20%
Stillson Pipe.....45%
Taylor Pipe and Nut.....40%
Trimo Combination.....40%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
J. H. Williams.....25%
Yankee.....45%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co., list May 1, 1894,
Lovell Mfg. Co., list July 2, 1894...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%
Peerless Mfg. Co., list Feb., 1892...2%
NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in barrels..₩ gallon.....80c
Linseed, City, Boiled, in barrels ₩ gallon.....83c
Out of Town on Spot..₩ gal.....80c
Calcutta, Raw, in bbls....₩ gal. 50c
Lard, Prime City.....₩ gal. 40@42c
Western, Prime.....40@41c
Extra, No. 1.....34@35c
No. 1.....30@32c

Paints and Colors—

Barytes, Foreign, ₩ ton, $15.00@$18.00
Barytes, American Floated, ₩ ton $22.00@$25.00
Barytes, American, No. 1, ₩ ton, $9.00@$10.00
White Lead, American, Dry, in Bbls. ₩ lb.....4¼@4½c
White Lead, American, in Oil, ₩ lb.....5¼@5½c
White Lead, Foreign, in Oil, ₩ lb 6@7c
Litharge, Kegs, ₩ lb.....5¼@5½c
Zinc, American, Extra Dry, ₩ lb 3½@4¼c

Putty—

In bbls. and half bbls.....1½@1¾
Putty in Bladders.....1¾@2
Putty in Tins.....1¾@2¼

Spirits Turpentine—

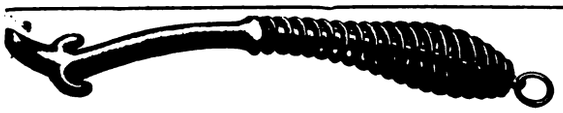
In regular bbls.....27½@—c
In machine bbls.....27½@—c

Dry Colors—

Blue, Chinese.....₩ lb 37 @40
Blue, Prussian.....₩ lb 30 @35
Blue, Ultramarine..₩ lb 8 @25
Sienna, American, burnt.....₩ lb 1½@ 1¾c
Sienna, American, raw.....₩ lb 1¼@1½c
Umber, American, burnt.....₩ lb 1½@ 1¾c
Umber, American, raw.....₩ lb 1½@ 1¾c
Green, Chrome, Common.....₩ lb 5 @12 c
Green, Paris, in bulk, ₩ lb 13 @15 c
Indian Red, American.....₩ lb 2 @ 3 c
Indian Red, English.....₩ lb 4½@9

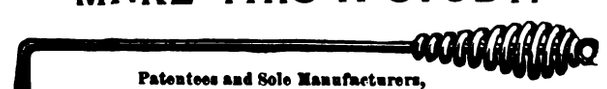
Colors in Oil—

Black Coach Japan ₩ lb..18½@20
Black Coach Japan, in Oil.....₩ lb 13 @13 c
Black Drop.....₩ lb 7 @10 c
Black Lampblack...₩ lb 20 @33 c
Black Lampblack, common.....₩ lb 7@15 c
Blue, Chinese.....₩ lb 35 @40 c
Blue, Prussian.....₩ lb 20 @40 c
Blue, Ultramarine..₩ lb 13 @18 c
Brown, Sienna, bur't ₩ lb 7 @10 c
Brown, Sienna, raw. ₩ lb 7 @10 c
Umber, burnt.....₩ lb 7 @10 c
Umber raw.....₩ lb 7 @10 c
Brown, Vandyke....₩ lb 7 @12 c



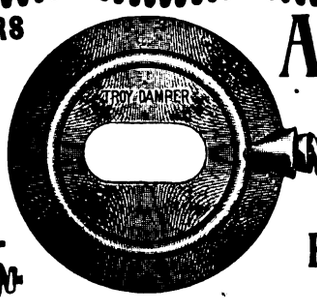
ORIGINATORS

MAKE THIS A STUDY.

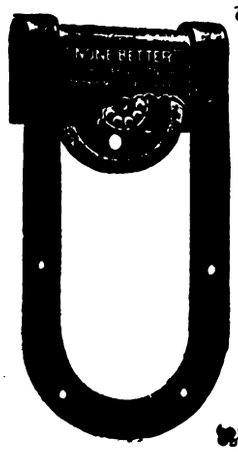


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TROY NICKEL WORKS,
TROY. N. Y.



ALASKA STOVE HARDWARE.



STEEL DOOR HANGERS.

WRITE FOR PRICES ON

No. 1 Special and No. 2 Standard.

THEY WILL INTEREST YOU.

Also Track and Stay Rollers.

McKINNEY MFG. CO., - Allegheny, Pa.

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Hardware or other Salesmen Who Travel

Will receive a hint on that important subject:

"HOW CAN I INCREASE MY INCOME?"

By sending name and address to

"HARDWARE,"

143 Chambers Street,

NEW YORK.

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THE HARRINGTON & KING PERFORATING CO. CHICAGO.



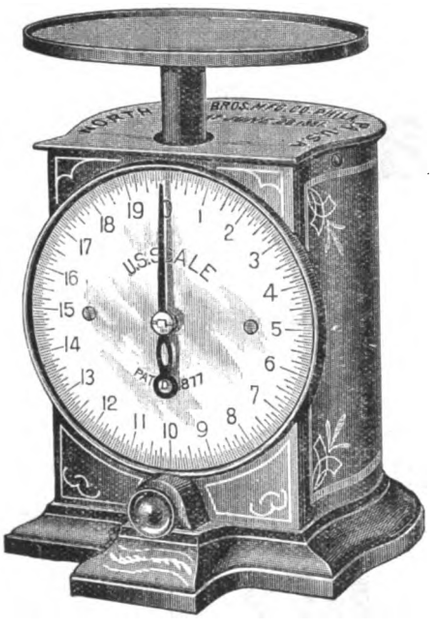
BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS, BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

Main Office and Works, No. 240 North Union St., Chicago, Ill., U. S. A. Eastern Office, No. 284 Pearl St., New York.



U. S. DIAL SCALES

WILL BE WANTED DURING SEASON FOR CANNING AND PRESERVING, TO WEIGH FRUIT, SUGAR, ETC.

HAVE YOU THEM IN STOCK?

USEFUL IN KITCHEN, ALL THE YEAR ROUND.

FOR WEIGHING ALL SORTS OF THINGS.

Manufactured by

North Bros. Mfg. Co., Philadelphia, Pa.

New York Agents: John H. Graham & Co., 113 Chambers St.

Colwell Lead Co.

63 Centre St.
NEW YORK CITY.

Manufacturers of

LEAD PIPE
SHEET LEAD

American Standard

DROP **SHOT** BUCK

Also Wholesale Jobbers in

Wrought Iron Pipe, Cast Iron Soil Pipe, Water Closets, Brass Plumbing Goods, and everything else to plumb a house from cellar to garret.



RESERVOIR PUNCH

For Euchre and Whist Parties.

This Pocket catches the pieces punched from Tally Cards, thus preventing a littering of the carpet.
Is hinged, can be opened, emptied and closed in an instant.
Of great value to Railroads as it prevents the replacing of pieces punched out of monthly or commutation tickets.
Also valuable in Restaurants where punch tickets are used.

PATENT APPLIED FOR.

F. J. MATTISON, PATENTEE, 50 Warren Street, N. Y., U. S. A.

THEO. M. HASS,

MANUFACTURER OF

Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

Goods to Order a Specialty. Dies and Tools.

176 CENTRE STREET, (Opposite Earle's Hotel.) NEW YORK.

RIGHT NOW when everybody is economizing is the time to sell





ROOT'S HOME REPAIRING OUTFITS!

Greatest Money-makers and Money-savers ever seen! They sell like hot cakes! Write for prices to-day to

THE ROOT BROTHERS CO., Plymouth, O.

Originators and Sole Manufacturers.

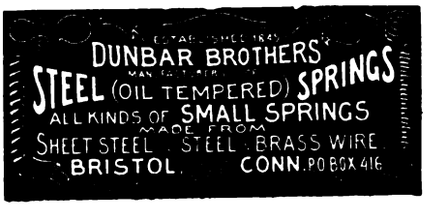
"FOR YEARS."

Henry Disston & Sons, Philadelphia, Pa. [*Saws, Files, etc.*]: Our opinion of HARDWARE is contained in the fact of our having carried an advertisement in your paper for a period of years.

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.



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Magnolia Metal Co., New York.

Anti-Rattler.
Fernald Mfg. Co., North East, Pa.

Anvils
Van Wagoner & Williams Hardware Co., New York and Cleveland, Ohio.

Apple Parers.
Goodell Company, Antrim, N. H.
Reading Hardware Co., Reading, Pa.

Architectural Iron Works.
Stewart Iron Works, Cin'nati, O.

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Waterbury Brass Co., New York.

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Newburgh Sifter Mfg. Co., Newburgh, N. Y.

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Schwerdtle & Siebert, Bridgeport, Conn.

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N. N. Hill Brass Co., East Hampton, Conn.
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See Tackle Blocks.

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Jos. Dixon Crucible Co., Jersey City. N. J.

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Miner & Peck Mfg. Co., New Haven, Ct.

Drop Presses.
Miner & Peck Mfg. Co., New Haven, Conn.

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Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
J. G. Speidel, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham & Co., New York.
Peru Electric Mfg. Co., Peru, Ind.
Union Electric Co., Cleveland, O.

Elevators.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
J. G. Speidel, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery.
Crescent Emery Mills Co., Oscawana, N. Y.
Hanson & Van Winkle Co., Newark, N. J.

Emery Paper.
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Emery Wheels.
Crescent Emery Mills Co., Oscawana, N. Y.
New York Belting & Packing Co., Ltd., New York.

Enamel.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scotland.

Enameline.
J. L. Prescott Co., New York.

Enameling Ovens.
Union Heater Supply Co., Detroit, Mich.

Expansion Bolts.
Isaac Church, Toledo, O.

Export Agents.
John H. Graham & Co. New York

Eyelets.
Waterbury Brass Co., New York.

Faucets.
Boston & Lockport Block Co., Lockport, N. Y.
John H. Graham & Co., New York
National Specialty Mfg. Co., Philadelphia, Pa.
John Sommer's Son, Newark, N. J

Fences, Wire and Iron.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson Ind.
G. & H. Barnett Co., Philadelphia.
Henry Disston & Sons, Phila., Pa.
Alfred Field & Co., New York.
Hammacher, Schlemmer & Co. New York.
Kearney & Foot Co., New York.
Sickels & Nutting Co., New York.

Filteration Quartz.
New England Filteration Co., Boston.

Filters.
J. H. Seed, New York.

Fire Escapes.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Fishing Tackle.
Enterprise Mfg. Co., Akron, Ohio.

Flat Ware.
See Plated Ware.

Flower Pot Stands.
E. T. Barnum, Detroit Mich.
Gilbert & Bennett Mfg. Co., N. Y., Chicago, Georgetown, Conn.

Fluting Machines.
North Bros. Mfg. Co., Philadelphia.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading Pa.

Fronts for Buildings, Iron.
Stewart Iron Works, Cin'nati, O.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Fruit Presses.
Logan & Strobridge Iron Co., New Brighton, Pa.

Furnaces.
Union Heater Supply Co., Detroit, Mich.

Garden Tools.
Cleveland Lawn Weeder Co., Cleveland, Ohio.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
Nickels & Nutting Co., New York.
Underhill, Clinch & Co., New York.

Gaskets.
H. O. Canfield, Bridgeport, Conn.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.

Gas Stoves.
Monarch Stove Co., Mansfield, O.

Gate, Latch and Hinge.
Burr & Houston Co., Brooklyn, N. Y.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Gauge, Butt.
Stanley Rule & Level Co., New Britain, Conn.

Gears.
T. F. Welch & Co., Boston.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.
J. D. Johnston, Newport, R. I.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grating, Iron.
Stewart Iron Works, Cin'nati, O.

Grindstones.
Cleveland Stone Co., Cleveland.

Gunpowder.
E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York.

Gun Implements.
Bridgeport Gun Implement Co., New York.
Bartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammers.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
Miner & Peck Mfg. Co., New Haven, Conn
Arthur R. Robertson, Boston.
The Scranton & Co., New Haven, Conn.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Handles.
Ferrer Bros., Philadelphia.
Knapp & Pratt Mfg. Co., Geneva, Ohio.

Hangers, Coat and Hat.
Cronk Hanger Co., Elmira, N. Y.

Hangers, Door.
Darling, Brown & Sharpe, Providence, R. I.
Cronk Hanger Co., Elmira, N. Y.
John H. Graham & Co., New York
Lane Brothers, Poughkeepsie, N. Y.
McKinney Mfg. Co., Allegheny, Pa.
Stowell Mfg. & Fdry. Co. South Milwaukee, Wis.
Van Wagoner & Williams Hdwe. Co., New York and Cleveland.

Hardware Dealers, Agents, Etc.
Allerton, Clarke Co., New York.
E. F. Benson, Jr., Boston.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Arcade Mfg. Co., Freeport, Ill.
Berger Bros., Philadelphia.
Bruce & Cook, New York.
Buchel Brush Novelty Co., New Orleans, La.
Ennis Specialty Co., Troy, N. Y.
Enterprise Mfg. Co., Philadelphia.
Alfred Field & Co., New York.
Griswold Mfg Co., Erie, Pa.
Hammacher, Schlemmer & Co., New York.
Hastings & De Baun, New York.
T. W. Houchin, New York.
A. N. Jacob, New York.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
National Specialty Co., Philadelphia.
North Bros. Mfg. Co., Philadelphia.
Charles Morrill, New York.
Pelouze Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.
Charles Weiland, New York.
T. F. Welch & Co., Boston.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Harness Snaps.
Covert Mfg. Co., West Troy, N. Y.

Hasps.
McKinney Mfg. Co., Allegheny, Pa.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Heaters
C. R. Meres Heater Mfg. Co. Norwalk, O.

Hinges.
Bommer Bros., New York.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New York.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Hitching Posts.
Ohio Metal Co., Norwalk, Ohio.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.
J. G. Speidel, Reading, Pa.

Horse Nails.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co. Neponset, Mass.

Hose Menders.
F. E. Kohler & Co., Canton, Ohio.

Hose Pipe.
New York Belting & Packing Co., Ltd., New York.
Rossendale-Reddaway Belting & Hose Co., Newark, N. J.

Hose Reels.
Hartzell Novelty Works, Alliance, Ohio.

Hose, Rubber.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Ice Tools.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
Logan & Strobridge Iron Co., New Brighton, Pa.
North Bros. Mfg. Co., Philadelphia.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Ink.
Barnes National Ink Co., New York and Philadelphia.

Insurance.
Mutual Life Insurance Co. New York.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Jail Work.
Stewart Iron Works, Cin'nati, O.

Japanning.
C. H. Angus, Albany, N. Y.

Kraut Cutter.
National Saw Co., Newark, N. J.

Ladders.
Bicycle Step Ladder Co., Chicago.
Indiana Ladder Co., Indiana, Pa.

Lamps.
Ohio Electric Works, Cleveland, Ohio.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lanterns.
Buhl Stamping Co., Detroit, Mich.

Lathes.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.

Lathing, Metallic.
George Hayes, New York.

Lawn Fountains.
E. T. Barnum, Detroit, Mich.
F. E. Kohler & Co., Canton, Ohio.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
F. E. Kohler & Co., Canton, Ohio.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
F. E. Kohler & Co., Canton, Ohio.

Lead.
Bruce & Cook, New York
Colwell Lead Co. New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Lemon Squeezers.
Berger Bro., Philadelphia.
John H. Graham & Co., New York
Logan & Strobridge Iron Co., New Brighton, Pa.
John Sommer's Son, Newark, N. J.

Levels.
Tower & Lyon, New York.

Locks and Knobs.
Allerton, Clarke Co., New York.
Ames Sword Co., Boston.
Brass Goods Mfg. Co., Brooklyn, N. Y.

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Champion Safety Lock Co., Cleveland, O.
W. & E. T. Fitch Co., New Haven, Conn.
John H. Graham & Co., New York.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York and New Haven, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Machinery.
A. Adamson, Akron, Ohio.
Athol Machine Co., Athol, Mass.
Crescent Emery Mills Co., Oscawana, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
The Scranton & Co., New Haven, Conn.
Vieillard & Osswald, Brooklyn, N. Y.
J. K. Williams, Akron, Ohio.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston.

Mail Boxes
W. C. Heller & Co., Montclair, N. J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.
North Bros. Mfg. Co., Philadelphia.

Mechanical Rubber Goods.
New York Belting & Packing Co., Ltd., New York.

Metal Ceilings.
Canton Steel Roofing Co., Canton, Ohio.
S. Keighley & Co., Pittsburg, Pa.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
Joseph Dixon Crucible Co., Jersey City, N. J.
John Chatillon & Sons, New York.
Meyers' Puts Pomade Co., Boston.

Milk Cans.
Buhl Stamping Co., Detroit, Mich.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Mirrors, Window.
Bayer & Co., Philadelphia.

Mixers.
Eynon & Sons, Philadelphia.

Model Making.
Schwerdtle & Siebert, Bridgeport, Conn.
T. F. Welch & Co., Boston.

Mops.
Matchless Mop Wringer Co., Canton, Ohio.

Mop Wringers.
Matchless Mop Wringer Co., Canton, Ohio.

Moulds.
A. Adamson, Akron, Ohio.
Schwerdtle & Siebert, Bridgeport, Conn.
J. K. Williams, Akron, Ohio.

Mucilage.
Barnes National Ink Co., New York and Philadelphia.

Nails.
Bruce & Cook, New York.
Fuller Bros. & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
Rockford Tack Co., Rockford, Ill.
Salem Wire Nail Co., Salem, O.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Nail Pullers.
The Scranton & Co., New Haven, Conn.

Nail Sets.
John H. Graham & Co., New York.
Storm Mfg. Co., Newark, N. J.

Nippers.
Charles Morrill, New York.

Odometers.
Davis, Stebbins & Co., Boston.

Office Railings.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cups.
Kendrick Valve & Washer Co., Syracuse N. Y.

Oilers.
Cushman & Denison, New York.
Tower & Lyon, New York.

Oil Stones.
Pike Mfg Co., Pike Station, N. H.

Ornamental Iron Work.
E. T. Barnum, Detroit, Mich
Stewart Iron Works, Cin'nati, O.

Ovens.
Monarch Stove Co., Mansfield, O.
Union Heater Supply Co., Detroit, Mich.

Packing.
Gould Packing Co., East Cambridge, Mass.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Canton Steel Roofing Co., Canton, Ohio.
William Connors, Troy, N. Y.
Jos. Dixon Crucible Co., Jersey City, N. J.

Patents.
Hot Coffee Dinner Pail Co., Newark, N. Y.

Patent Solicitors
Dyer & Driscoll, New York.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Cutters.
Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
C. E. Jennings & Co., New York.
Stanley Rule & Level Co., New Britain, Conn.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.
Niagara Silver Co., Niagara Falls, N. Y.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Pleasure Wheels.
Strobel Mfg. Co., Marion, Ohio.

Pliers.
Cronk Hanger Co., Elmira, N. Y.

Police Equipments.
Tower & Lyon, New York.

Polish.
John Chatillon & Sons, New York.
Joseph Dixon Crucible Co., Jersey City, N. J.
Meyers' Putz Pomade Co., Boston.
J. L. Prescott & Co., New York.

Post Hole Diggers.
John H. Graham & Co., New York.
F. E. Kohler & Co., Canton, Ohio.

Poultry Netting.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.

Power Hammers.
The Scranton & Co., New Haven, Conn.

Power Presses.
Vieillard & Osswald, Brooklyn, N. Y.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Vieillard & Osswald, Brooklyn, N. Y.

Prismatic Sidewalks.
Stewart Iron Works, Cin'nati, O.

Pulleys.
F. E. Myers & Bro., Ashland, Ohio.
Ney Mfg. Co., Canton, Ohio.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Pumps.
Barnes Mfg. Co., Mansfield, Ohio.
Chase Pump & Mfg. Co., Columbus, Ohio.
F. E. Myers & Bro., Ashland, O.
Pittsburgh Pump Co., Pittsburgh Pa.
St. Joseph Pump Mfg. Co., St. Joseph, Mo.
Union Heater Supply Co., Detroit, Mich.

Punches.
F. J. Mattison, New York.
Charles Morrill, New York.

Radiator Deflectors.
Clark Hot Air Deflector Co., Akron, O.
J. Rutherford & Son, Akron, Ohio.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Stewart Iron Works, Cin'nati, O.

Rails, Barn Door.
McKinney Mfg. Co., Allegheny, Pa.

Raisin Seeders.
Enterprise Mfg. Co., Philadelphia.

Rakes.
John H. Graham & Co., New York.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.

Ranges.
Monarch Stove Co., Mansfield, O.
Taplin, Rice & Co., Akron, Ohio.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
P. J. Conroy & Co., Philadelphia

Reels.
Hartzell Novelty Works, Alliance, Ohio.

Repairing Outfits.
Root Bros. Co., Plymouth, Ohio.

Rivets.
Bruce & Cook, New York.

Rollers.
Fulton Machine Co., Canal Fulton, O.

Roller Skates.
Tower & Lyon, New York,
Union Hardware Co., Torrington Conn., and New York.

Roofing and Roofers' Supplies.
Berger Bros., Philadelphia.
L. D. Berger, Philadelphia.
Canton Steel Roofing Co., Canton, Ohio.

Roof Trusses, Iron.
Stewart Iron Works, Cin'nati, O.

Rubber Belting.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rules.
Athol Machine Co. Athol, Mass.
Darling, Brown & Sharpe, Providence, R. I.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Tower & Lyon, New York.

Sash Cord.
Samson Cordage Works, Boston.
Tower & Lyon, New York.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
W. & E. T. Fitch Co., New Haven, Conn.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
C. E. Jennings & Co., New York.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Sets.
F. E. Kohler & Co., Canton, Ohio.
Charles Morrill, New York,

Scales.
John Chatillon & Sons, New York.
North Bros. Mfg. Co., Philadelphia.
Pelouze Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scrapers, Wheel.
Sidney Steel Scraper Co., Sidney, O.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co Georgetown, Conn, New York Chicago.
Sickels & Nutting Co., New York.

Screws
Harvey Hubbell, Bridgeport, Ct.
Sickels & Nutting Co., New York

Screw Cutting Tools.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
Tower & Lyon, New York
Tuck Mfg. Co., Brockton, Mass.

Screw Plates.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Shade Lines.
Samson Cordage Works, Boston.

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Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
Seymour Cutlery Co., Holyoke, Mass.
J. Wiss & Sons, Newark, N. J.

Sheet Brass.
Waterbury Brass Co., New York.

Sheet Steel.
Dunbar Bros., Bristol, Conn.

Shelf Boxes.
W. C. Heller & Co., Montclair, N. J.
Henry H. Sheip & Co., Philadelphia.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Niagara Silver Co., Niagara Falls, N. Y.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Single Tube Tires.
New York Belting & Packing Co., New York.

Sink Cleaners.
John W. Sudlow, Brooklyn, N. Y.

Skates.
John H. Graham & Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Skylights.
George Hayes, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Smoke Pipe Registers.
Ferrosteel Co., Cleveland, Ohio.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Solder.
Bruce & Cook, New York.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Spoke Shaves.
Stanley Rule & Level Co., New Britain, Conn.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
Dunbar Bros., Bristol, Conn.
Miller & Van Winkle Co., Brooklyn, N. Y.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Stairs, Iron.
Stewart Iron Works, Cin'nati, O

Stamps.
Schwerdtle & Siebert, Bridgeport, Conn.

Staples.
Salem Wire Nail Co., Salem, Ohio
Geo. W. Stanley & Co. Belleville, Ill.

Statuary.
E. T. Barnum, Detroit, Mich.

Steel Goods.
Canton Steel Roofing Co., Canton, Ohio.
Finished Steel Co., Youngstown, O.

Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Steel Traps.
Oneida Community, Kenwood, N. Y.

Stencils.
Schwerdtle & Siebert, Bridgeport, Conn.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Indiana Ladder Co., Indiana, Pa.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Holroyd & Co., Waterford, N. Y.

Store Fixtures.
Hartzell Novelty Works, Alliance, Ohio.

Stoves.
T. W. Houchin, New York.
Monarch Stove Co., Mansfie'd, O.
Taplin, Rice & Co., Akron, Ohio.

Stove Mittens.
Diamond Hardware Co., Boston.
Paras & Paras, Troy, N. Y.

Stove Polish.
Joseph Dixon Crucible Co., Jersey City, N. J
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co.' Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Structural Iron Work.
Stewart Iron Works, Cin'nati, O.

Tackle Blocks.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Ney Mfg. Co. Canton, Ohio.
Union Hardware Co., Torrington, Conn

Tacks.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tack Pullers.
Higgins Mfg Co, Boston.
Knapp & Pratt Mfg. Co., Geneva, Ohio.

Tailors' Irons.
Union Hea er Supply Co., Detroit, Mich

Tape Measures.
Waterbury Brass Co., New York.

Tapping Machines.
Harvey Hubbell, Bridgeport, Ct.

Taps and Dies.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Tap Wrenches.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

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John H. Graham & Co., New York.
Sidney Steel Scraper Co., Sidney, Ohio.

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Barnes Mfg. Co., Mansfield, O.

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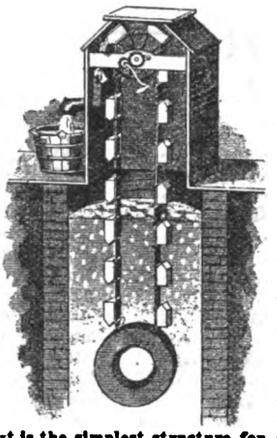
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Rosin
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Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
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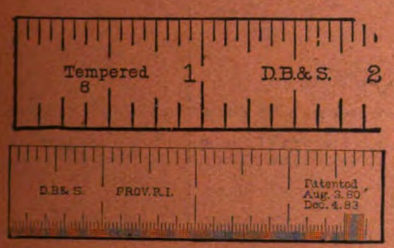
are a Security Device; at once Simple and Durable; Adjusting the Sash; Preventing Rattling; also Disfigurement of Top Sash by Keeping the Window "Locked or Unlocked."

Send for Catalogue. Try them.

THE W. & E. T. FITCH CO., New Haven, Conn.

Brown & Sharpe Mfg. Co,

Providence, R. I.



STANDARD RULES.

Special circular may be obtained of any leading Hardware Dealer, or upon application to us. . . . . .

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ANY DEALER knows that a Stove Polish which other manufacturers try to imitate, is the Polish for him to sell. The enormous sale of

Enameline

The Modern Stove Polish

Proves that dealers are friendly to it, and that consumers will accept no substitute for ENAMELINE. Why? Because it's

THE BEST!

U.M.C. AMMUNITION

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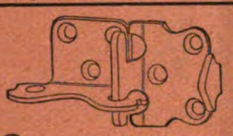
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Use U. M. C. Loaded Shells for Fall Shooting.

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NEW YORK OFFICE, 313-315 Broadway. Bridgeport, Conn. SAN FRANCISCO OFFICE, 425 Market Street.





Stanley's

Improved Steel Gravity Blind Hinges for Wood.

BEST IN THE WORLD.

THEY WILL NOT BREAK.

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Send for Samples **Samson Cordage Works,** BOSTON, MASS.

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Power Hammers

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Cost a trifle more than other brands, but are cheaper in the end on account of their superior quality and workmanship. . . . . .



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139 GREENWICH STREET,
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STEEL WIRE NAILS.

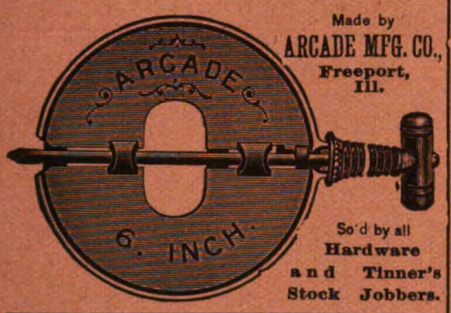
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CUT NAILS.

Plain and Galvanized Wire.

BARB WIRE.

Wire Straightened and Cut to length.



Made by
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Sold by all
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Ask your jobber for it.

IT DRAWS THE CORK

—twists it out with ease. Saves all the customary pulling and bothering.

WALKER'S SELF-PULLING
CORK SCREW No. 5
with wire cutter.

Is best of all. . . . .
Invaluable to everyone.

Erie Specialty Co.,
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Established 1857.

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Manufacturer of Flat, Coiled and Wire
Steel Springs of Every Description.

SEND SAMPLE FOR PRICES.

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SAVE MONEY

IN BUYING YOUR TOOLS AND
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FIVE AND TEN CENT GOODS FOR
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I do the leading business in this city in buying and selling

JOB LOTS

of Hardware of every description It will pay close buyers to know what I have in stock and learn my prices. . . .

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I have a Job Lot of Gents' Genuine VICTOR Bicycles at $40 and $42.50 each.

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Self-Basting. Saves 20 per cent. that passes off in steam when roasted in an ordinary pan. *Made of polished steel,* in 7 sizes, including *inside pans* and *grate bars* in all sizes. *Bakes finest bread.* For terms, address

THE ROYAL POLISHED STEEL ROASTER CO., Troy, O., U. S. A.

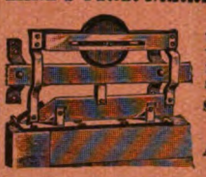
LANE'S
PATENT STEEL BARN
DOOR HANGER.



ANTI-FRICTION
MOST COMPLETE
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CONSTRUCTION
MATERIAL
THE BEST
NO BREAKAGE.

Ease of Movement. Always in Order.

LANE'S Patent Noiseless Steel Parlor Door Hanger



Hanger is made of steel throughout, including wheel, except interior filling which deadens the sound.

Single Steel Track Instead of Double Wood Rail.

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Patent Sewed Buffs.

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MAKERS OF

Hair Clippers

ALL KINDS UNDER THE
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The best made.

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Farm Cream Separators.



Every year the business doubles. There are over 15,000 in daily use at this time.
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We want good houses to handle these machines everywhere that agencies are not already established. Send for printed matter.

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STYLE "A." STYLE "B."



Furnished with either Straight or Taper Shanks, any length desired. Three Styles.
Send for Descriptive Matter and Special Discounts. MANUFACTURED ONLY BY
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WILLIAMSON'S
HAND POWER CORK SCREW,



WITH THIS SCREW LADIES CAN DRAW TIGHT CORKS EASILY.

Pulls the Cork out of the Bottle.

DIRECTIONS FOR USE:
KEEP ON TURNING, DO NOT PULL.

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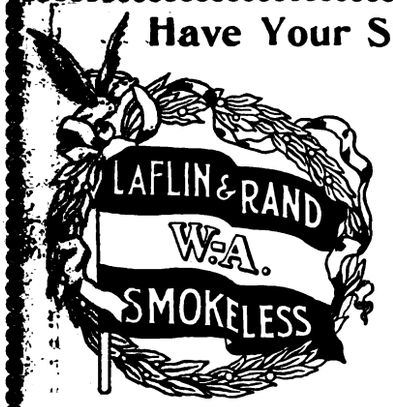
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Manufacturers of Wire Specialties for the Trade.

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LAFLIN & RAND

W.-A.

SMOKELESS

ABSOLUTELY UNIFORM, IMPERVIOUS TO MOISTURE, OR

Orange Extra Sporting,

IN USE SINCE 1808.

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Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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Unsurpassed for imparting a brilliant polish to

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As it leaves no stains or discolorations. Samples, advertising matter and electrotypes gratis.

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1 "	2	"	"	6.00	"
1 quart can	2	"	"	10 80	"
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Order as originally packed and get best discounts.

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"OLD JOB JOHNSON'S."



The Best Gate,

Latch and Hinge

EVER MADE.

The Years Have Proved Their Value

Their One Fault :~~

They Won't Wear Out!

Simple, Durable and Cheap. Arranged to work without any spring, on its own Automatic principles. Send for descriptive circular and prices. . . . . .

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COLUMBIA BICYCLES

STANDARD OF THE WORLD. $75.00 TO ALL ALIKE.

We don't guess or take for granted the mechanical features of Columbia Bicycles are all proved.

1896 Columbia's $60.

HARTFORD'S, Second only to Columbia's, $50, $45, $40, $30.

Nothing in the market approaches the value of these bicycles. . . .

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Catalogue free from any Columbia dealer; by mail for one 2-cent stamp.

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Should be in the stock of all Hardware Dealers

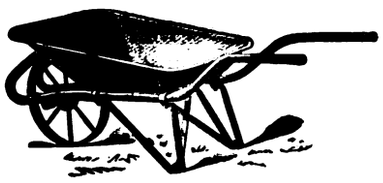
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Write for prices and catalogue.

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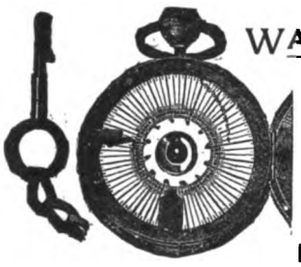
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Reasonable arrangements can be made. WRITE ME TO-DAY.

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Mfr. of Castings; Nickel and Brass Plating, Metal Pattern Maker, etc.



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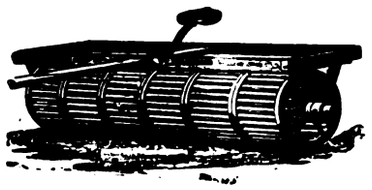
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WITH SAFETY LOCK ATTACHMENT.

Highest Award at Columbian Exposition.

This Clock is neat, thoroughly reliable and very durable. **Cannot be tampered with.** Price moderate. Is adapted for six or twelve stations, having a different key for each. Registering is done by number from 1 to 6 and 1 to 12, each station having its number. No chance for a fraudulent record here. Old style detectors mark by holes or an impression on dial, the same for all stations. Allowance made for old Detectors. Send for circulars, prices and further particulars.

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Cyclone Pulverizer.

The Greatest Seller known. Actually Sells on Sight. The only Pulverizer sent on approval and trial. See it and you will sell it. . . . See also our Iron King and Leader Steel Roller. Best line of Rollers made.

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OF ALL KINDS.

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TAPE MEASURES,

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OF EVERY DESCRIPTION.



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For Christmas "ERIE" ALUMINUM, The Finest Ware.

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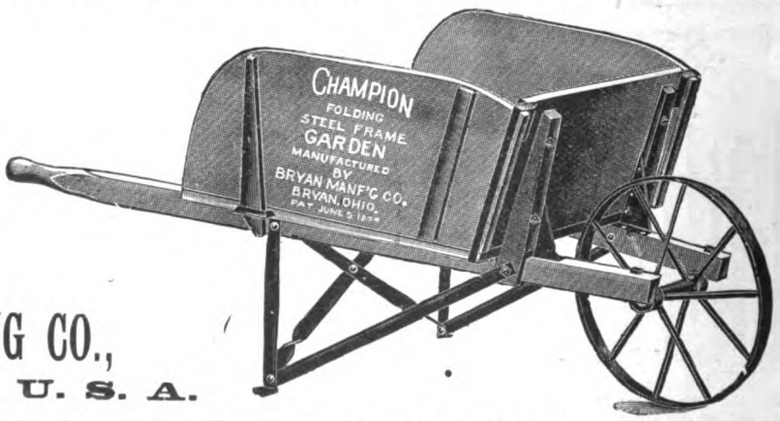
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Try it and you will Always Buy it.

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Blacksmith's
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Hand or Power
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OLD LINE
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Cut Gears, Lever Feed, 19 inch Swing.

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The last two drills are supplied with counter-shafts, and are suited for new work or repairs.

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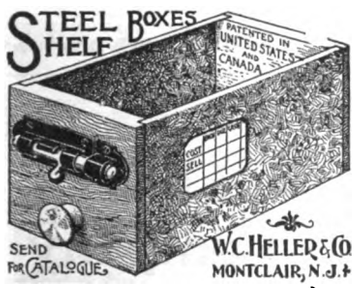
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TRUCKS OF ALL KINDS.
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Smoke Pipe Register (Black) with White Ceiling Plate.

Indian Design Patented.

Showing Removable Cap for use when Smoke Pipe is taken down.

Please write for "BLUE BOOK FOR THE REGISTER TRADE."

Registers made of Ferrosteel are noted for Strength, High Finish and Excellent Workmanship.

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IT'S IN THE TEETH.

The Patent "REFORM" Curry Comb is composed of three shallow, oval trays, with corrugated edges. The parts are struck up from a fine grade of cold rolled steel, heavily tinned and bronze lacquered, firmly riveted together and warranted not to rust. The outer dimensions are 6½x4¼ inches and by reason of the large cleaning surface and peculiar arrangement of teeth, the comb will do its work with a large saving of time and labor, cleaning with equal thoroughness both long and short coats. There are no places to accumulate hair and it will not tear or injure the brush, the comb being quickly freed from accumulation by giving its face a gentle tap.



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Price, $30.

In your cash receipts? Are you inclined to increase your profits?

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THE "Norton"

Address 505 SEARS BUILDING, BOSTON, MASS.

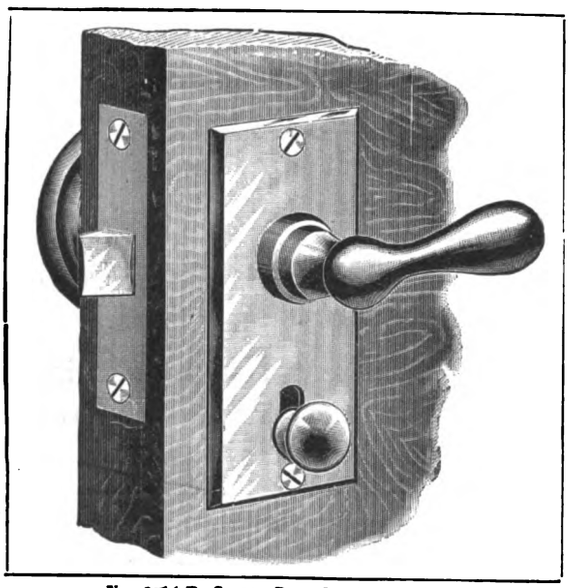


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A Good Seller.

DOOR-CHECK and Spring.

WRITE FOR PRICES.



No. 97½ P—Screen Door Latch with Stop.

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Manufacturers of **Builders' Hardware,**

Factory and General Offices,

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SALESROOMS:

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RICHARD A. McCURDY, President,

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The Records of the Insurance Department of the State of New York SHOW THAT The Mutual Life

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THAN ANY OTHER COMPANY.

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It Leads them all. . .

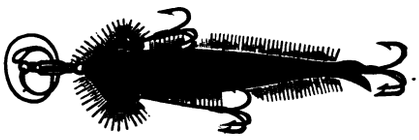
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Casting,
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All enterprising dealers sell it. If not, address



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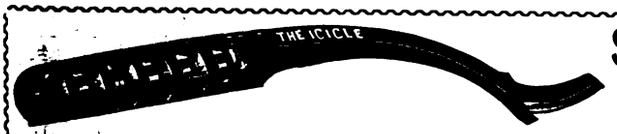
"Happy Thought" Tack Puller.



Patented.

Made of polished steel. Will pull all size tacks, and the construction and shape makes it easy to pull the tack without breaking the heads off. The bottom hook which serves as the lever in drawing the tack is also convenient to lift the carpet from the floor. One trial will prove that the "Happy Thought" is the best. The price, 10 cents, brings it in reach of all. For sale by all leading Hardware dealers. This is a fine seller, and we will send a sample to the trade on receipt of a two-cent stamp. Manufactured by the

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30 KINDS.

COPPERED, TINNED, NICKEL PLATED.

. . . WE MAKE TONS OF THEM. . . .

LOGAN & STROBRIDGE IRON CO., New Brighton, Pa.

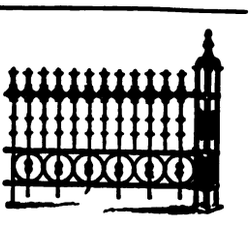
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Manuf'rs of Iron Fence, Jails, Architectural and Ornamental Iron Work.



IRON FENCES OF ALL KINDS



SEND FOR CATALOGUE OF

Fire Escapes, Wire Fencing, Bank & Office Railings, Stable Fixtures, Roof Cresting, and all kinds of Wire and Iron Work.



Reservoir Vases.

Lawn and Park Settees, Fountains, Statuary, and Lawn Furniture of every description.

E. T. BARNUM,
Detroit, Mich.

Mention this paper. Agents wanted.

TO SAVE FREIGHT

WE KEEP IN STOCK

Grindstones,
Mounted Grindstones,
Scythe Stones,
Axe Bits, &c.,

AT OUR BRANCHES

288 Front Street, New York, N. Y.
Chicago, Ill., Office Old Colony Building.
81 & 88 Sleeper St., So. Boston, Mass.

THE CLEVELAND STONE CO.,

Hickox Building. **Cleveland, O.**

Hardware Dealers Send us your address and we will mail Catalogue and discount sheet of **STOCKS & DIES, TAPS, etc.**



Holroyd & Co.,

Waterford, N. Y.

RESULTS ARE SO SATISFACTORY.

Capewell Horse Nail Co., Hartford, Conn. [*Horse Nails*]: We have been liberal advertisers in your journal for years, and the results are so satisfactory that we expect to be much more liberal for years to come.

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"EVERYTHING IS COMING UP."

BUSINESS IS BETTER AND THERE WILL BE A LARGER DEMAND THAN EVER FOR OUR

Sheep Skin Mitten.



Acknowledged to be the best article for polishing stoves, as it does away with the old time dirtiness of the work, making this work a pleasure. Also invaluable for polishing brass or glass, or silverware, which it does not scratch. For tan shoes and cleaning bicycles it has demonstrated itself a conspicuous success.

Diamond Hardware Co.,

624 Atlantic Ave., Boston, Mass.

B Lemon B Squeezers



THESE Squeezers are strong, handy and well shaped for the use intended. . . Made of malleable iron, nicely tinned, in two sizes, 8 and 10 inches. Now is the time to order.

BERGER BROS.,

PHILADELPHIA, PA.



We can furnish you with Staple Goods.

Such as **Wire Nails Fence Staples, Plain and Galvanized Smooth Wire, Painted and Galvanized Barbed Wire.**

THE SALEM WIRE NAIL CO., Salem, Ohio.

New York Office, 277 Broadway.

"The Family Steam Laundry."



WASHING MADE EASY.

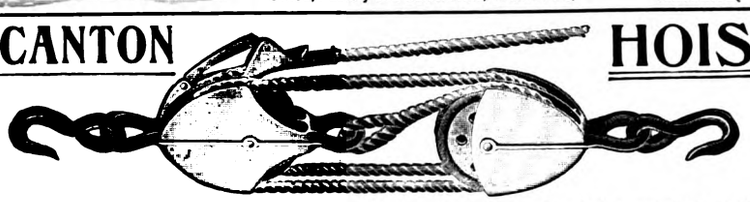
Complete Portable Steam Laundry Combination

For family use. Washer, Boiler, Adjustable Stove, Attachment for Wringer, etc. **ALL IN ONE.** It will Wash, Boil Steam, Rinse, Blue, Heat Irons, make Starch and Cook your Dinner all on the one machine, in the most Perfect manner and Quickest Time and Least Labor, without any Wear or Tear, without Lifting Wringer, Slopping the Floor or Breaking your Back over a Washboard and Tub. Get one and be Free Forever from Washtubs, Washboards, Washboilers, Laundry Stove, Rubbing your Clothes, Sore Knuckles and Scalded Hands. Strong, Durable, Handsome and Easily Operated. Heated by natural gas, artificial gas, gasoline or oil.

W. R. HARRISON & CO.,

Office, Factory and Salesrooms, Walnut St., Massillon, Ohio.

The CANTON HOIST



Can be used perpendicularly, horizontally, and at any angle. . . .

In factories of all kinds, foundries, quarries, mills and warehouses; also by contractors, carpenters, stone masons and all classes of mechanics. Manufactured by

THE NEY MFG. CO., CANTON, OHIO.

THE FINISHED STEEL CO

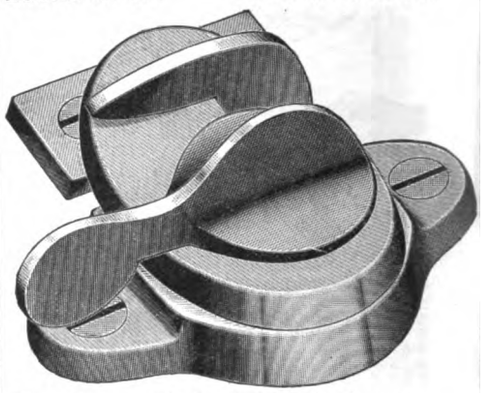
YOUNGSTOWN, OHIO

MFRS OF **POLISHED SHAFTING**

New Stamped Metal Sash Lock,

In Cold Rolled Steel, Bronze and Brass. In all the Popular Finishes.

LOCKS OPEN. LOCKS CLOSED.



The Ives Patent Sash Locks,

Have acknowledged superiority for the complete manner in which they perform the work they are intended to do. . . .

PATENTED AND PATENTS PENDING.

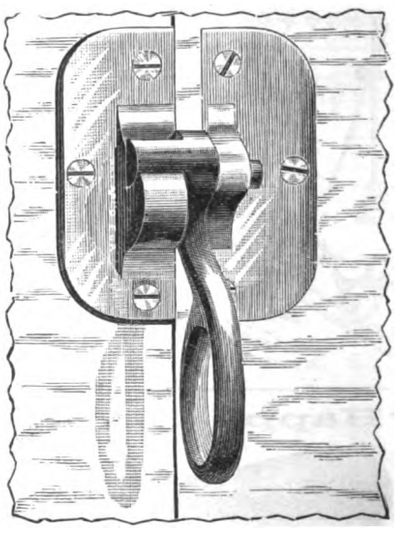
MANUFACTURED BY

HOBART B. IVES & CO.,

New Haven, Conn.

The CONROY PATENT Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

Beware of Infringements. Paschall, Phila.

PLEASED with RESULTS.

John N. Hager, Fort Atkinson, Wis. [*Fork, Shovel, Rake and Hoe Brackets*]: Am well pleased with the results of my advertisement in HARDWARE.

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To Bicycle Riders.

WE MAKE OUR TUBE
OF FIFTY CARBON STEEL

Because a Tube like this of our .50% CARBON STEEL is just as strong as a Tube like this of .25% CARBON STEEL

While weight for weight in a Bicycle our FIFTY CARBON Steel will last so long [redacted] and TWENTY-FIVE CARBON Steel will last only so long [redacted]

NOTE THE FULL IMPORT OF THE PARALLEL LINES.

The comparison which they graphically make indicates the result of the prolonged investigations of the most practical experts of the world.

That the tests in our own laboratory corroborate these results is merely so much to its credit; that the same is true of actual trial on the road equally proves the trial to have been made in bicycles of correct design and construction. THE FACT REMAINS.

The margin of safety is greatly increased by the use of this tube. Every bicycle manufacturer should use it; every dealer should insist on having it; every rider should demand it. Send for catalogue.

THE POPE TUBE CO., Hartford, Conn.

MODERN CLIMAX. NEW STEEL RANGE,

In both Portable and Flush Reservoir style. Popular sizes.



Taplin, Rice & Co., Mfrs., Akron, Ohio.

BICYCLES

. . . *Manufactured by*

Ames Mfg. Co.

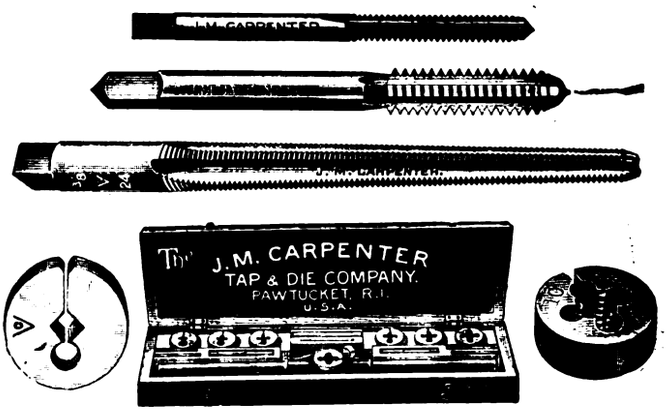
HIGH AND MEDIUM GRADES,

$100, $85, $75, $60.

Send for Catalogue.

ADDRESS

AMES MFG. CO., Chicopee, Mass.



Send for our **CATALOGUE No. 11 B,** describing

SCREW CUTTING TOOLS

FOR

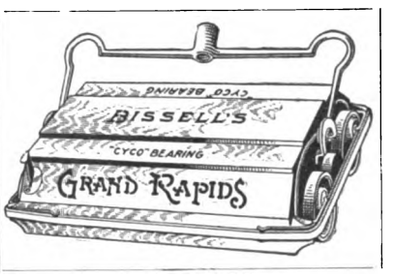
BICYCLE REPAIR WORK.

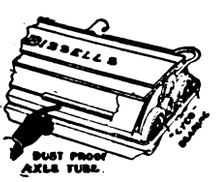
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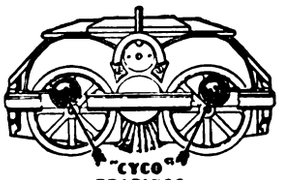
Important Reduction in prices of

BISSELL'S

"Cyco" Bearing Carpet Sweepers.







Japanned $2.50 FIXED RETAIL PRICE Nickeled $3.00

. . . Write for particulars to . . .

Bissell Carpet Sweeper Co.,

GRAND RAPIDS, MICH. 103 Chambers St., NEW YORK.

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SAWS

BUY ONLY THE BEST
at Prices to Beat the World.
MAKE NO MISTAKE.
40 years' reputation is guarantee enough as to the high standard of the
BEST SAWS MADE.

Hand, Back, Butcher, Cross Cut, Wood, Circular, Mill and Band Saws, Celebrated W. & McP., Cincinnati, Plastering Trowels.

OPERATING
RICHARDSON BROS.
WHEELER MADDEN & CLEMSON MFG. CO.
HARVEY W. PEACE CO.
WOODROUGH & McPARLIN.

SAWS

Write for Lists and Prices.

THE NATIONAL SAW CO.
NEWARK, N. J.

STOP



Did you ever see the like?

Seven men on one ladder—and it a small Step Ladder too—and it would carry as many more if they could get on it.

You know it keeps the old style Step Ladder busy to carry one good sized man or woman without breaking down; and they last but a year or two at best. . . . . .

This Step Ladder Will Carry All You Want to Put On It,

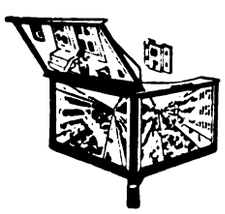
and will last a lifetime if you treat it half decent. . . . . .

There is but One Step Ladder made for mechanics, and

THIS IS THE ONE.

We manufacture
Single Ladders, Extension Ladders,
Single Bent Rung Step Ladders,
Which are all covered by patents.
No person else manufactures them but us. Write for Prices and Discounts.

Indiana Ladder Company, Indiana, Pa., U.S.A.



WINDOW MIRRORS

Enables a person to see up and down the street, eight to ten blocks. and who's on the door step. Can be attached to any house. . . .

THE BEST MADE, "THE PERFECTION."

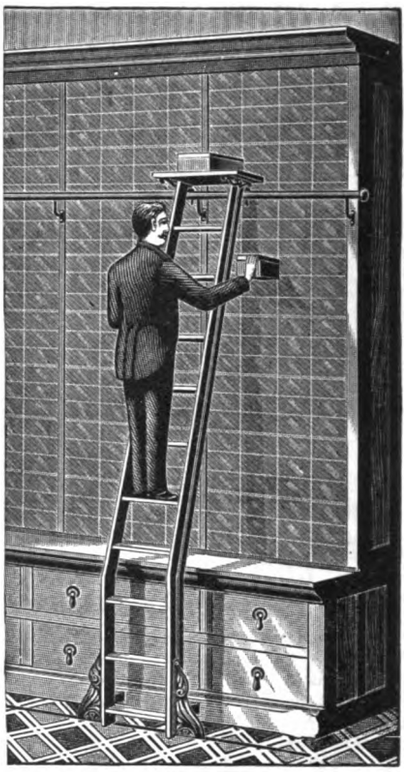
We want live agents in every town in the United States and Canada. . . . Write us

BAYER & CO., *28 North 13th St., PHILADELPHIA, PA.*

ESTABLISHED 1868
SKYLIGHTS HAYES METALLIC LATHING & CO.
71-8TH AVE. NEW YORK.
FIRE-PROOF CONSTRUCTION

The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

The Bicycle Step Ladder Co.,
50 STATE STREET, CHICAGO, ILL.

AGENCIES:
Eastern Agent, H. N. YOUNGS, 308 W. 22nd Street, New York City.
New York and vicinity, E. J. HUSSEY & CO., 80 John Street, New York City.
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Northwestern States, HOWE SCALE CO., Portland, Oregon
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QUADRUPLE Your Spring Sales

STANDARD FIBER-WARE COMPANY. STANDARD TRADE MARK. MANKATO, MINN.

In these lines by stocking up with **plain** and **decorated**
"STANDARD" WATER PAILS, DAIRY PAILS, CHAMBER PAILS, CUSPIDORES, &c.,
for Office, Lobby, Hotel, Hall and Home.

WASH BASINS, SLOP JAR MATS.

Made of **strong fiber, wound,** and **steel bound,** they do not split open, nor chip off at edges, neither do their truss bottoms warp, loosen or leak.

All "Standard" goods are **waterproofed throughout,** and then **indurated** by **oxidation** until **absolutely unsoakable.**

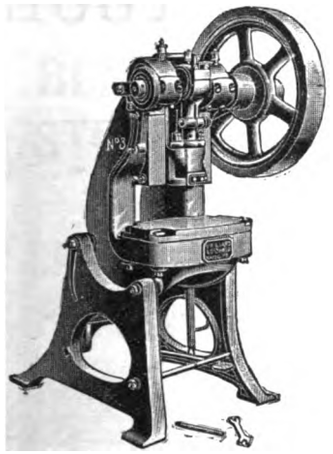
"Standard" is the only Fiber-Ware having **hand-painted decorations,** which, with its other merits, makes it outsell all similar ware.

Catalogue and price list, with full particulars, sent to dealers on application to the above company.

GREAT VALUE AS AN ADVERTISING MEDIUM.

Buck Bros, Milbury, Mass. [Tools]: We appreciate the great value of HARDWARE as an advertising medium.

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VIEILLARD & OSSWALD,

Manufacturers of

PRESSES AND DIES AND SPECIAL MACHINERY

FOR THE WORKING OF SHEET METAL

Dies for Sheet Steel Stampings a Specialty.

708-710 Jamaica Avenue, BROOKLYN, N. Y., U. S. A.

WRITE FOR PRICES.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

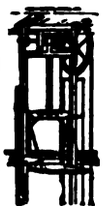
HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c

Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs, Ia.

No. 1013 Ninth Street.



BURTON'S ANTI-RATTLER & BOLT HOLDER No. 1.

Pat. Nov. 15, 1887.

If you want to know all about it wr te to

FERNALD MFG. CO,

NORTH EAST PA.

THE GEO. W. STANLEY CO.,

BELLEVILLE, ILL.,

Manufacturers of

Cut Tacks, Small Nails, Double-Pointed Tacks and Staples.

EACH YEAR RECEIVED BETTER RESULTS.

Standard Tool Co., Cleveland, Ohio. [Tools]: During the five years we have had an advertisement in HARDWARE we have each year received better results.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

We carry in stock 126 sizes and kinds of

SHOVELS, SPADES AND SCOOPS



MANUFACTURED BY

Oliver Ames & Sons Corporation.

Send for our Shovel Catalogue showing goods carried in stock.

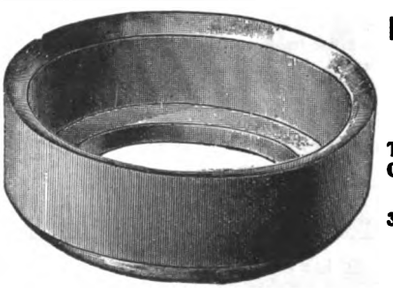
. . . FOR . . .

WIRE NAILS & STRAP HINGES

Address F. E. Kohler & Co.,

The Hardware Specialty Manufacturers,

CANTON, OHIO.



Kendrick Valve & Washer Co.

Valve and Plunger Leathers.

. . *Special Valves to Order* . .

Special Leather Washers.

Tubular Well Cups. Iron and Brass Cylinder Cups.

Oil Well Valve Cups. Elevator Cups.

Special Cups to Order.

308 EAST WATER ST., SYRACUSE, N. Y.

MANUFACTURERS OF

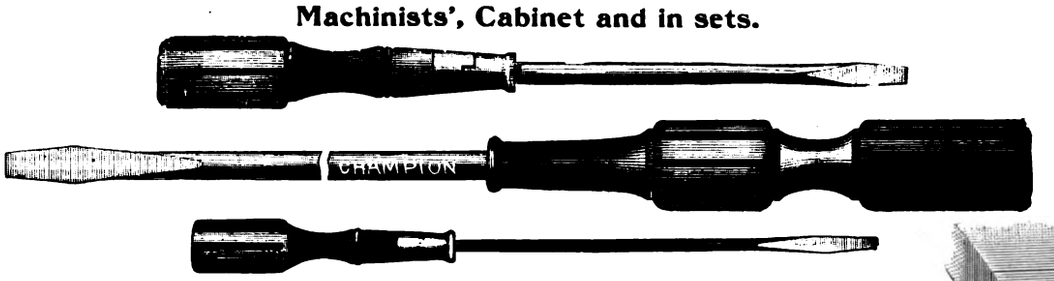
PLUMBERS' WASHERS AND SPECIALTIES.

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CARPENTERS AND MACHINISTS' TOOLS.

TOWER'S CHAMPION SCREW DRIVERS.

Machinists', Cabinet and in sets.



See that the word "CHAMPION" is on each Screw Driver.

STEPHENS' PAT. VISES.

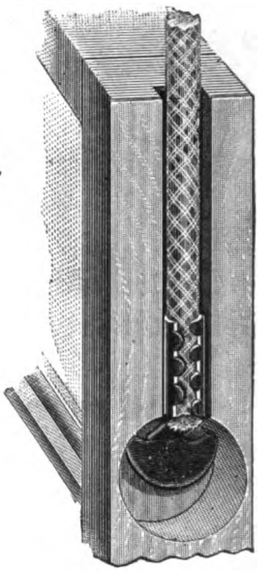


There are plenty of imitations to deceive.



PHILLIPS'

Sash Cord,
Sash Weight,
Sash Chain
and
Sash Ribbon
Fasteners.



Shows Fastener in use.

TOWER & LYON,

95 CHAMBERS and 77 READE STS.,

MANUFACTURERS . . .

NEW YORK.

PADLOCKS, POLICE GOODS, ETC.

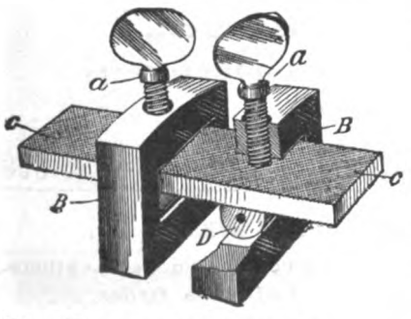
ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE,
CALLED THE
DONOGHUE RACING SKATE.
Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener



A New and Useful Article Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. **Torrington, Conn.**

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MORRILL'S Perfect Saw Sets.

BENCH STOPS.

UNIVERSAL PUNCHES.

TRADE MARK

CAR SEALERS.

CUTTING NIPPERS.

This Trade Mark is stamped on all Saw Sets and other Hardware Specialties of my make.

CHARLES MORRILL, 35 Warren Street, New York.

E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES: Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

MANUFACTURERS.

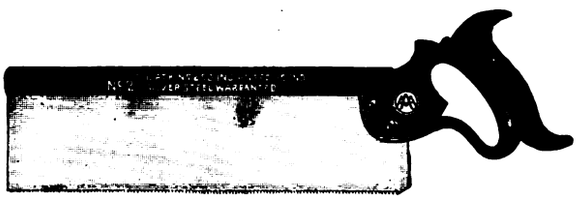
The Atkins SILVER STEEL HAND, PANEL AND RIP SAWS.

WE MANUFACTURE EVERY KIND OF SAW USED.



SILVER STEEL. FINE TEMPER. BEST WORKMANSHIP. THE BEST SAWS MADE

ATKINS' PERFECTION, No. 53.





WRITE FOR PRICE LIST AND DISCOUNTS.

The Matchless Mop Wringer Co.,

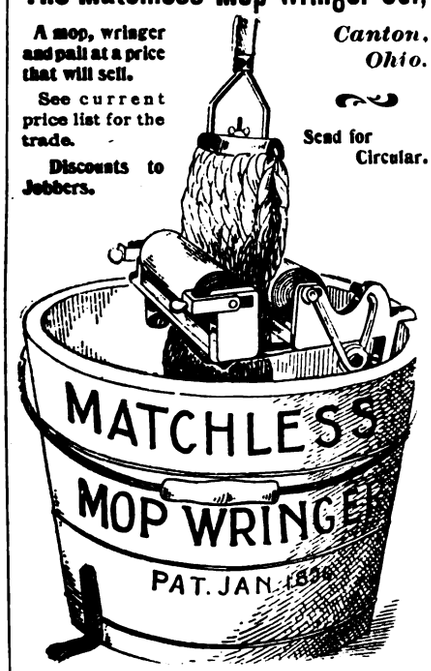
Canton, Ohio.

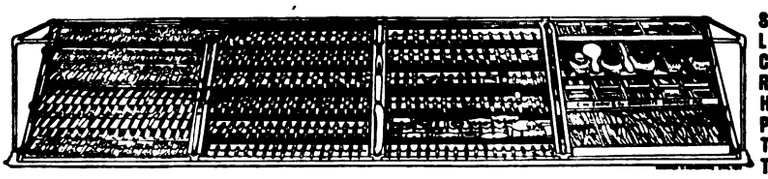
A mop, wringer and pail at a price that will sell.

See current price list for the trade.

Discounts to Jobbers.

Send for Circular.





STILL IN THE LEAD, AND CONTINUE TO RECEIVE HIGHEST PRAISES THROUGHOUT THE WORLD.

All styles Show Cases and Trays. Also Trays made to fit your own Cases. Each Tray slides in and out. Brilliant display. Quick sales.

Campbell's Practical Sliding Display Trays, Pat. Dec. 1, '91.

Write us. Manufactured only by **CAMPBELL CUTLERY CO., Syracuse, N. Y., U. S. A.**

"DAILY FEEL THE BENEFIT."

Energy Mfg. Co., Philadelphia, Pa. [Dumb-waiters]: We daily feel the benefit of our card in your columns.

FRANK W. GILBERT, Prest. O. C. EDWARDS, Treas.

Crescent Emery Mills Co.

MANUFACTURERS OF

EMERY & ABRASIVE MATERIALS.

EMERY WHEELS.
GRINDING MACHINERY.

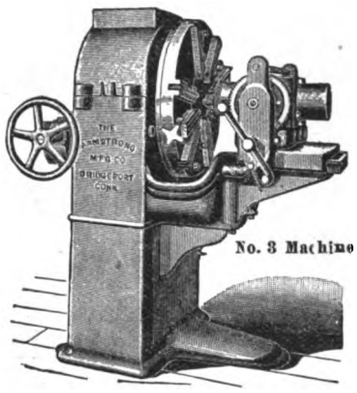
OSCAWANA, N. Y.

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Your Stock Is Not Complete

Without a line of

The "ARMSTRONG"



No. 3 Machine

PIPE THREADING & CUTTING OFF MACHINES, ADJUSTABLE STOCKS & DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—

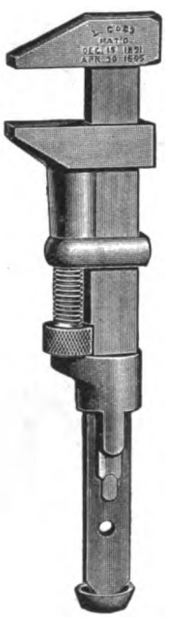
THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



THE ARMSTRONG MFG. CO.,
Bridgeport, Conn.

——NEW YORK OFFICE: 139 CENTRE STREET.——

L. COES'

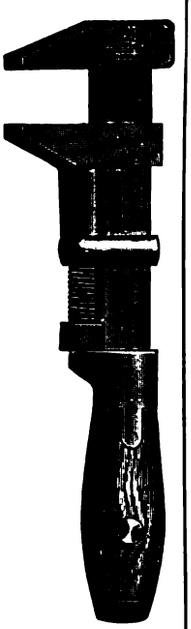


Genuine Improved

KNIFE HANDLE

PATENT

Screw Wrenches.



MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839. Registered April 9, 1895.

Patented Dec. 15 1891. Patented April 30, 1895.

Sectional View Illustrates our New Knife Handle, showing Manner of Construction.

☞ traight Bar, Extra Long Nut for Screw in Jaw. ☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.
JOHN H. GRAHAM & CO. } New York Agents.

Akron Tubular Steel Wheelbarrows.

RE-INFORCED TRAYS.

SOLID FRAME.

NO HOLES DRILLED INTO IT.
ALL PARTS CLAMPED ON.

Perfect Forward Dump.
Strongest, Easiest Handled.
Lightest and Most Durable.



McNEIL'S PATENT BALANCED AUTOMATIC DUMP CHARGING BARROW.

The Akron Cultivator Co.,

MANUFACTURERS, Akron, Ohio.



"MAIL & EXPRESS" SCALE $5.00

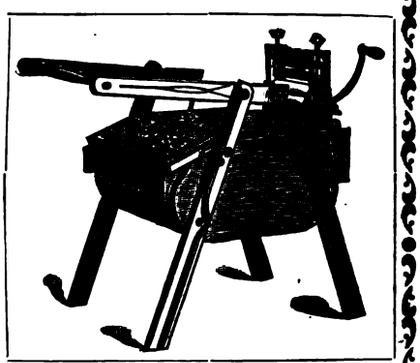
Gives exact cost of postage in cents on all mail matter. Weighs up to 16 lbs. by ½ ozs. for express packages. Beautifully finished Tile plate, 7½-inch dial, nickel finish

PELOUZE SCALE & MFG. CO.,

133-139 South Clinton Street, CHICAGO.

Manufacturers Postal, Counter, Family and Confectionery Scales.

THE "STROBEL" WASHING MACHINE.



The rub boards on inside work automatically, having a double back-action suction and pressure motion. It saves labor, fuel, time, wear and tear, washes perfectly clean and does not injure the clothes. All it requires is hot water, good soap and less than one-fourth the usual labor expended on any other washer or rub board. Prices and terms upon application.

THE STROBEL MFG. CO.,
Marion, Ohio.

OHIO METAL CO.,

NORWALK, OHIO.



Awarded the Medal at Atlanta Exposition

Incorrodible Steel Hitching Post, ornamental and lasts a lifetime.

Automatically takes up slack of chain.

Freedom and comfort for animal. Safety and security for owner.

Ready Sellers.

Write for prices and secure exclusive agency for your city.

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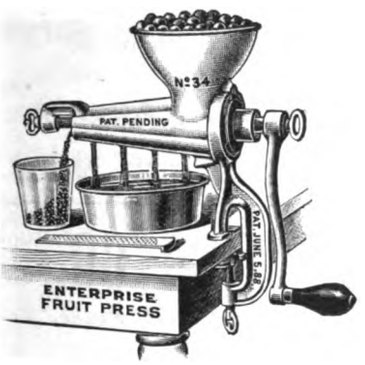
New York Belting & Packing Co., Ltd., New York. [*Belting, Garden Hose, Water Hose, Steam Hose, Packing and Rubber Specialties*]: We have been carrying quite a prominent advertisement in HARDWARE with gratifying results. That we expect to continue this advertisement is the best evidence we can give of our regard for it as an excellent medium.

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ENTERPRISE

Fruit, Wine and Jelly Press

TINNED



No. 34, $3.00

Raisin and Grape Seeder

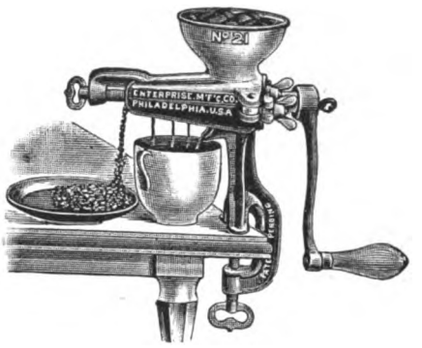
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No. 36, $10.00 per dozen
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Meat Juice Extractor

TINNED



No. 21, $2.50

Consult your Jobber

Descriptive Catalogue Free

The Enterprise Mfg. Co. of Pa.

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MANUFACTURERS OF ALL KINDS OF BELTING, STITCHED COTTON BELTING.

FORD'S PATENT SELF-LUBRICATING BUSHED SHEAVES



For every kind and size of common bushed block. Great saving in rope and friction, and corresponding great increase of power. The bushing is the life of the block. Ford's Patent increases the life about three-fold, and increases the cost of the block only about ten per cent. Write for further information, also for free catalogue J. In ordering specify **STAR BRAND.** Refuse substitutes said to be "just as good."

Boston & Lockport Block Co., SUCCESSORS TO Bagnall & Loud Block Co., Boston, Mass.

J. K. WILLIAMS,
MACHINE SHOP.
210 CHERRY STREET,
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Special Machinery

Estimates made on all kinds of Special Machinery, Boiler Tube Expanders, Bicycle Tire Moulds, Moulds for all kinds of Rubber Goods, Hangers, Shafting, Clay Working Machinery, etc. Write for Estimates.



Lid and pan to suit completes the machine.

The Eynon Patent Mixer and Beater

Is the **BEST** and **STRONGEST** machine for mixing purposes EVER placed on the market. It mixes the ingredients for a cake **ALL AT ONE TIME,** in 3 to 5 minutes. It mashes potatoes in **1-4** minute, making them nice and flaky, and retains **ALL HEAT.** It mixes salad dressings; makes butter in 3 minutes; beats eggs; whips cream; makes icings, puddings, omelets; in fact for all things requiring to be mixed, beaten, or mashed, the work can be accomplished in **1-5 THE TIME** it now takes. You **DO NOT** have to **REPLACE WIRES** in this Mixer, **THEY NEVER BREAK.** Every machine is guaranteed. Send for descriptive circular and price.

EYNON & SONS, 122 N. Sixth St., PHILADELPHIA, PA.

You take no risk on the quality. We make only the best!



Sand Papers IN **Reams and Rolls**
- Flint Paper
- Garnet Paper
- Emery Paper
- Emery Cloth

HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators.

BAEDER, ADAMSON & CO

730 MARKET STREET, PHILADELPHIA.
67 BEEKMAN STREET, NEW YORK.
143 MILK STREET, BOSTON.
182 LAKE STREET, CHICAGO.

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The Best Equipped File Works in the World

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The Arcade File Works

Established 1842.

WEED'S IMPROVED CUT — GUARANTEE SEAL — ALL FILES ARE FULLY GUARANTEED — SPECIAL TEMPER

Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

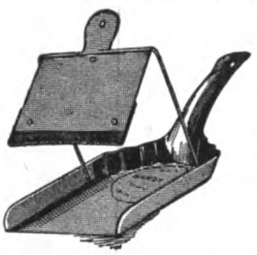
New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 97 Chambers St. and 79 Reade St. New York.

The DANDY SINK CLEANER.

. . . A perfect and complete



Household Specialty.

A Sink Cleaner and Shovel Combined. . .

Tidy housekeepers will throw away the dirty sink broom and buy the **Dandy Sink Cleaner on Sight. . . . . .**

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

John W. Sudlow, 986 HALSEY STREET, BROOKLYN, N. Y.

SICKELS & NUTTING CO.,

Office, 35 Barclay Street, Warehouse, 40 Park Place, New York.

NEW YORK AGENTS FOR THE

Withington & Cooley Mfg. Co.'s Farm and Garden Tools.

The Cortland Door and Window Screen Co.

Warwood Tool Works, Picks and Mattocks.

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. . RELAY BICYCLES . .

SICKELS, PRESTON & NUTTING CO., Davenport, Iowa.

U. S. CLUB SKATES

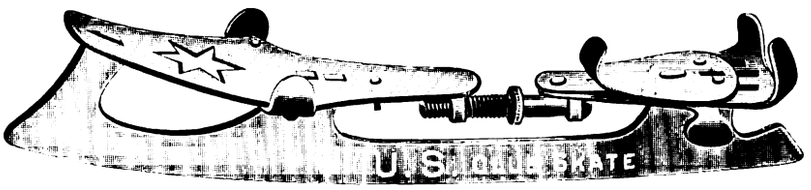
For Season of 1897 and 1898.

Manufactured by **P. Lowentraut.**

"U. S." LADIES CLUB SKATE.



"U. S." CLUB SKATE.



SELLING AGENTS:

JOHN H. GRAHAM & CO.,

P. O. Box 1042. 113 Chambers St, New York.

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CHATILLON'S SPRING SCALES.

For more than **sixty years** we have carried on the business of making **Spring Scales,** and have made it OUR SPECIALTY.

Our experience in the business, together with our unequaled facilities for manufacturing, enable us to produce a superior article, and thus to maintain the well-known reputation of **Chatillon's Spring Scales** as above that of other makes.

All our Scales are warranted to weigh accurately and to be perfect in workmanship.

FOSTER BROS.'
BUTCHER KNIVES, CLEAVERS, STEELS, &c.

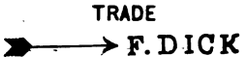
TRADE MARK



These Tools are recognized in the Markets, Packing Houses and Abattoirs throughout the U. S., as the standard of excellence, quality being the first consideration. We carry in stock every style and size of Knives, Cleavers and Steels used in cutting meat; also Knives for kitchen use in Hotels, Restaurants and for domestic purposes.

FRIEDERICH DICK'S MAGNET DIAMOND STEELS.

TRADE F. DICK MARK



By careful workmanship and the use of a special steel in their manufacture they have become famous throughout the world.

PHOENIX KNIFE CO.'S POCKET KNIVES.

We have recently become interested in the manufacture of Pocket Knives, and solicit the trade of our friends on a first-class Pocket Knife, equal to any knife made, foreign or domestic.

JOHN CHATILLON & SONS,

ESTABLISHED 1835.

85 to 93 Cliff St. and 12 Jacob St.,

NEW YORK CITY.

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WANTED:

Specialties to Manufacture.

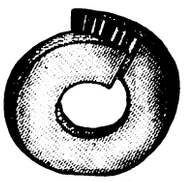
We have a large, well equipped Factory and are always ready to estimate on manufacturing Specialties. . . . . .
We have excellent facilities for the production of

SHEET METAL NOVELTIES.

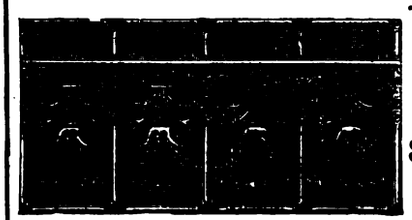
The Smith & Egge Mfg. Co.,

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TRADE MARK.



GOULD'S STEAM & WATER PACKING
Never sticks the Throttle.
The Original Ring Packing.
In ordering give EXACT diameter of Stuffing Box and Valve Stem.
None genuine without this Trade Mark.
THE GOULD PACKING CO.,
A. CHIPMAN, Treas. EAST CAMBRIDGE, MASS.



The Canton Steel Roofing Co., Canton, Ohio.
MANUFACTURERS,
STAMPED CEILINGS,
AND ALL KINDS OF
Sheet Metal Goods for Buildings,
Iron Shutters and Doors, Roof Paints, etc.
Best construction, quality and workmanship guaranteed.

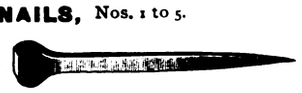
Dumb Waiters..... that don't keep you waiting.
Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.
THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852.
Tools, Cutlery and Springs.



SCREWDRIVERS OF ALL KINDS - - SEND FOR CATALOGUE.

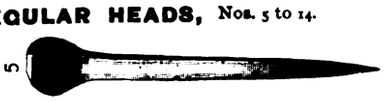
TURF NAILS, Nos. 1 to 5.



FRENCH HEADS, will fill any shoe punched or creased. Nos. 3 to 8.



REGULAR HEADS, Nos. 5 to 14.



CITY HEADS, for shallow creased shoes, Nos. 5 to 9.



COUNTER HEADS or **FROST NAILS,** Nos. 5 to 9.



PUTNAM NAIL COMPANY

NEW DEPARTURE.

In consequence of the action of the National Hardware Association, we now propose to sell direct to the general jobbers of the country. . . . . .
All restrictions have been removed as to quotations to be made by the trade from ocean to ocean. . . . .
The high quality of the Putnam Nail makes it an easier seller at an advanced price over nails made by rolling and shearing. . . . . .
In case local dealer does not handle our goods, address

The Putnam Nail Co., ***Neponset, Boston, Mass.***

235 Lake St., Chicago, Ill.
12-14 Drum St., San Francisco, Cal.

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THE NEW YORK
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ASTOR, LENOX AND
TILDEN FOUNDATIONS.

HARDWARE

VOL. XV. AUGUST 10, 1897. NO. 9.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade. Published the 10th and 25th of each month, by the HARDWARE PUBLISHING CO., No. 143 CHAMBERS ST., NEW YORK.

BRANCH OFFICES: CHICAGO, - - - - ASHLAND BLOCK.
BOSTON, - - No. 33 EQUITABLE BUILDING
CINCINNATI, No. 103 LINCOLN INN COURT BLDG.

Subscription, $1.00 per year. Subscription, Foreign, $1.50 per year.

JAMES H. KENNEDY, - Editor and Manager.
HENRY HOPKINS, - - Associate Editor.
FRANK REIFSNIDER, - Western Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted to the Hardware Trade.

Editorial Trade Review.

It is very gratifying to receive from our correspondents in the leading cities, the encouraging statements that business invariably shows signs of permanent improvement, increased demands being perceptible on every side. Crops already harvesting are bringing prices far in advance of the anticipations of a few months ago, and purchases of farm machinery for July are reported as being the largest in many years.

The future prospects for good business seem well assured and on a firm foundation, and now that the tariff is removed from daily discussions formerly full of apprehension, the conservative merchant can expect stability for the future, and formu ate plans to accomplish profitable results.

Imported Hardware having been advanced in value by the increased duties demanded, is gradually being marked up in price to establish a standard of cost based on the new tariff with its many changes. The stocks of these goods are at present very full in many lines, which during the long debate in Wsshington was shown would be seriously affected by the new bill; these goods, under the general pressure to sell, will not be held too firmly at the new advanced cost; concessions will naturally be made under one pretext and another, on such lines as are not subject to any mutual agreement between importers governing prices; but the influence which the unloading of these extensive stocks will exert in trade channels during the approaching revival in general business, will be sufficient to handicap large sales of similar products from our own factories, until these foreign wares are distributed and prices become more settled.

Many heavy goods, which have been quoted recently at prices too low to afford a satisfactory advance on cost, are bracing up under conditions promising a steady demand, and an advancing market will ere long catch the wary buyers who are too deliberate in their movements when a prompt decision is desirable.

The stocks in jobbers hands in every direction are invariably in a condition favoring purchases, but the experiences of the past few years have been of a character to create conservative buying, when each succeeding season ended with lower quotations being made that were obtainable at the outset.

Many manufacturing concerns have closed July 1st. Their last year's business and their statements have not been of a kind that show increasing dividends over recent years; in fact in too many cases the profit column was minus and afforded no inspiration to continue during another season, any such unsatisfactory conditions under any pretext. This will be found to have its influence upon stiffening the quotations that have been abnormally low too long, and a continuance of which would make trust conditions play too prominent a part in the business of the future now opening up so hopefully for the manufacturing interests of the country.

Trouble Ahead for Ohio.

The news from Ohio is not reassuring.

If recent newspaper dispatches can be depended upon, a political campaign is to be conducted in that unfortunate State this fall, that will throw into the shade every previous effort in years past when only State issues were to be presented to the consideration of the voter.

And all this for the purpose of re-electing Mark Hanna a member of the United States Senate.

We have the highest respect for Mr. Hanna as a political leader, a business man, and a patriotic citizen, but we do not believe that his elevation to the Senate is so demanded by the destinies of the country, that a great State must be kept in turmoil for several months for the purpose of continuing his able and patriotic services to the nation.

The country at large, and Ohio especially, had begun to congratulate themselves upon having reached a breathing spell, when the farmer, the mechanic and the business man could forget politics and politicians for a time, and unite in one long and strong pull for the general salvation of the country. All through 1896 values were unsettled, business destroyed, and enterprises delayed, because of the national election. Everybody was looking about anxiously to discover where he and his neighbor stood, and the general hope was, that after the voter should have expressed his decree at the polls in November, affairs would settle themselves, and the country get down to a solid business basis, and the skies brighten for the future. The verdict of the people was all that could have been expected, and the country took a fresh breath, and each man said to himself: "Now we shall have better times."

Then came the extra session of Congress, and the long turmoil over the tariff question. That has been settled, and business men everywhere are beginning to get a new grip upon themselves and their affairs, and are looking forward to the surely brightening future, when politics shall be forgotten and politicians at rest. Now comes the fateful news from Ohio. From now until the November election, the State is to be ripped

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and torn into shreds by wandering politicians, who are to fill every school house, and infest every country cross road, in their endeavor to persuade the voters that Ohio will go to ruin, and the country to the d——, if Mr. Hanna is not returned to the United States Senate. Prominent speakers from all parts of the country are to shadow the by-lanes and the cow paths of the most ru al districts, by day and by night, and it is even threatened that the chief executive of our country is to make half-hour stands through the State, and address the populace from the tail end of a sleeping car

All this is to be deplored. Ohio needs a rest. The country needs a rest. The Ohio voter, above all men in the world, needs a rest. He should have a few hours this summer and fall to devote himself to the farm, the work-shop, the mine, and the office, to the legitimate business of increasing the prosperity of the country, and of himself. The political orator needs a rest. The political theorist needs a rest. The editors need a rest. Even our able friend, Mr. Hanna, needs a rest.

We believe that the voters of Ohio know pretty nearly where they stand, and that all this fanfare of trumpets, and the beating of tom-toms, is a useless waste of time and money, and will keep business prosperity out of Ohio just one year longer than is necessary. If the magnificent resources of that State are to be developed, and her splendid industrial opportunities are to be used to their fullest extent, it will not be through the eloquence of orators, or the deep soundings of the brass band, but by attention to business, and a season of rest from office giving or from office seeking.

By all means give Mr. Hanna a chance, and let Ohio reward in the most fitting manner his political services to his party and to the country, but for the sake of Ohio herself, and for her best commercial and manufacturing interests, do not let this be done at the expense of a reviving business, and to the delaying of prosperity.

We have altogether too much of politics.

Important News from Bissell Carpet Sweeper Co.

On the 2nd ult. the Bissell Carpet Sweeper Co. made the following announcement to the trade:

"For twenty years the Bissell sweeper has steadily grown in popularity, until to-day, out of all the sweepers manufactured and sold throughout the civilized world, the Bissell constitutes at least four fifths of the entire product. Go where you will to-day in any quarter of the globe, wherever civilization is sufficiently advanced to make the use of carpets possible, and there you will find the Bissell sweeper.

"The city of Grand Rapids may justly feel proud of the reputation it enjoys throughout Christendom, as the peerless furniture city of the world, and it may be said with equal emphasis that no one product has done so much to advertise our city abroad, as Bissell's 'Grand Rapids' sweeper, for the reason that this sweeper has reached hundreds of trade centers throughout the world where Grand Rapids furniture is still unknown.

"The success of the Bissell sweeper is easily accounted for. From the time of its introduction on the market over twenty years ago, it was at once recognized as the only carpet sweeper that had ever given entire satisfaction to the dealer and consumer alike, and constantly being improved, it has maintained its hold upon the trade, until to-day, with the recent additions of cyco-bearings and dust proof axle tubes, unquestionably the two greatest improvements ever made in carpet sweepers, the Bissell enjoys a prestige unequalled in its history.

"While the sales of high grade Bissell sweepers have been eminently satisfactory to ourselves and our trade, yet many of our customers have urged that their sales of carpet sweepers could be largely increased if we would reduce our fixed retail prices, and thus place within the more easy reach of every housewife a genuine latest improved Cyco-Bearing Bissell Sweeper. In making a thorough canvas of the question through correspondence with many of our customers, as well as through our salesmen who visit every section of the country we are convinced that $2.50 and $3 are the popular prices for high grade Bissell sweepers, hence after fully considering the matter, we have decided to reduce our fixed retail prices on all high grade nickel trimmed machines from $3.50 to $3, and on the Grand Rapids japanned, from $3 to $2.50; and in order to still insure our customers in a good margin of profit in the sale of our goods, we have also concluded to reduce the list on all high grade nickel machines from $27 per dozen to $24, and on Grand Rapids, japanned, from $24 to $22, allowing rebates for quantity; terms sixty days net, 2% ten.

"While reducing the prices on high grade sweepers, we desire to assure the trade that the high character of our goods, as regards finish, construction, etc., will be strictly maintained. The above prices will take effect at once, and with the extremely favorable terms named on the latest improved Cyco Bearing Bissell's, and in fixing popular retail prices on these goods, their sales are bound to largely increase, which cannot fail to redound to the advantage of all concerned, namely: the dealer, the consumer and ourselves. With high grade Bissell sweepers retailing at popular prices, the trade will have little use for cheap sweepers, for experience has taught the dealer that cheap sweepers never give satifaction, have no fixed value on the market, and absolutely fail in every essential requirement.

"We shall continue to meet any competition in our line with goods of a similar quality, but it should be apparent to the trade that with high grade Bissell sweepers retailing at popular prices, there will be little or no demand for cheap sweepers.

"Hoping to secure your orders, we remain

"Yours truly,

"BISSELL CARPET SWEEPER CO.

"Grand Rapids, Mich."

W. E. Bayer, of Bayer & Co., No. 28 North Thirteenth Street, Philadelphia, was in New York some days since, arousing interest in his wonderful Window Mirror, which is rapidly finding its way upon nearly every house front in the City of Brotherly Love. It is an article that contains a great deal of possible profit, and Mr. Bayer wants to get hold of a live agent in every town and city in the country. An illustration of the article itself may be seen on page 10 of this issue.

On the morning of August 3rd, the large and well-known Hardware store of C. C. Snyder, Canton, Ohio, was almost totally destroyed by fire, entailing a loss of from $75,000 to $100,000. An employe went into the cellar carrying a lighted lamp, and in some way a barrel of turpentine took fire, and the flames shot up the stairway. The establishment was one of the oldest in that section of the West, having commenced business nearly a half century ago.

If you wish to have fun
Ride a wheel made for one;
But if looking for trouble
Ride one that's built double.

And thus to be happy,
Stay single through life;
But if looking for trouble,
Just get you a wife!—B. A. CHELOR.

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Office Comforts.*

BY NATH'L C. FOWLER, JR., DOCTOR OF PUBLICITY.

Some years ago I listened with much pleasure and profit to a summer sermon by Professor Churchill, of Andover. The speaker began with the axiomatic statement that there are twenty-four hours in the day, and on this foundation, he built up a practical, argumentative discourse on the use and abuse of each hour in the twenty-four.

I shall simply appropriate his subject and not his words, and shall attempt to discuss, in a practical way, the best use of the hours we have at our disposal.

The average businesss man is at his office eight hours a day; this leaves him sixteen hours. He spends about one hour a day going to and from his office, and sleeps about eight hours.

Assuming that he spends one hour a day dressing and undressing, there is left to him but six hours a day for home and social pleasures.

It is fair to assume that every business man is out driving, walking or attending some entertainment at least three hours in a day, which leaves him three hours of unoccupied home-time against eight hours of business time. That is, the business man is in his office nearly three times as much as he is in his home.

Fully one-half of the offices are neither comfortable, commodious, nor pleasant.

It is true that some of the greatest men have written the greatest books, and accomplished the greatest deeds, in garrets, and have burned the midnight oil amid cobwebs and bare walls, but no sensible man will claim that an unattractive environment is conducive to the best mental or physical labor.

Luxurious offices may be in bad taste, but they are in no worse taste than the poorly furnished and uninviting offices, when the owners can afford office comforts.

In everything, appropriateness is conducive to the best results.

The dress at the seashore should not resemble the theatre gown, nor should the piazza chair be like that in the parlor.

But there is certainly no reason why an office should be a barn, a shed, or a dark corner in the warehouse.

No one of sense would suggest that there should be a fountain in the centre of the office or counting room, nor that it should be like a winter garden; but there is a vast difference between these extremes and the barreness of the average office.

A few potted plants cost nothing, and if they are of hardy species, require but little care.

Few men seem to appreciate the necessity of an awning or curtain, and constantly try their eyes by reading sunlighted letters and papers.

An office, as I see it, should be the business home, not the headquarters of the business treadmill. Everything that will contribute to the comfort of the eye and the body should be there.

The clerks work better if surrounded with comforts, and with pleasing effects. The business man feels more cheerful, and the visitor is much more likely to be brought into the trading frame of mind if he is comfortable.

Extravagance in office furnishings is to be condemned as much as barrenness. It almost invariably is a cloak, and is used as a sort of business trap, but office comforts are sensible, and necessary; and they are needed for the best and most economical conduct of business.

Many a business man locates his office in the most unattractive corner of his warehouse, when there is light to spare in other corners. Of course, there are many cases in which this cannot be avoided, but I am speaking of these men that can afford to have office comforts, and do not seem to appreciate the necessity of them or their value to business.

It is the business of the business man's wife to be as much interested in the care of the office as she is in the care of the home, or in the care of her husband's clothes.

Nobody wants a meddling wife around, nor does a wife desire to have her husband assist in the cooking; but there is a great difference between meddling and interest.

The business man makes suggestions to his wife at home, and she respects, even if she does not follow those suggestions; in return, it is her business to make suggestions about home comforts for the office-home.

*Copyright, 1897, by Nath'l C. Fowler, Jr.

Yale & Towne Mfg. Co.'s New "Vulcan" Line.

The Yale & Towne Mfg. Co., Stamford, Conn., and Nos. 84 and 86 Chambers Street, New York, have commenced the manufacture of an entirely new line of wrought steel door locks, embodying many and radical changes and improvements, which will at once focus the attention of the builders' Hardware trade and create discussion as to possible merits. Radically revolutionizing former conventional methods of construction, so long and persistently followed by lock makers, in the Vulcan Lock they challenge the investigation by experts among dealers and architects, especially of those new and unique features which are greatly in advance of even the high standards of skill which they have believed evident in every device stamped with their world-wide trade mark.

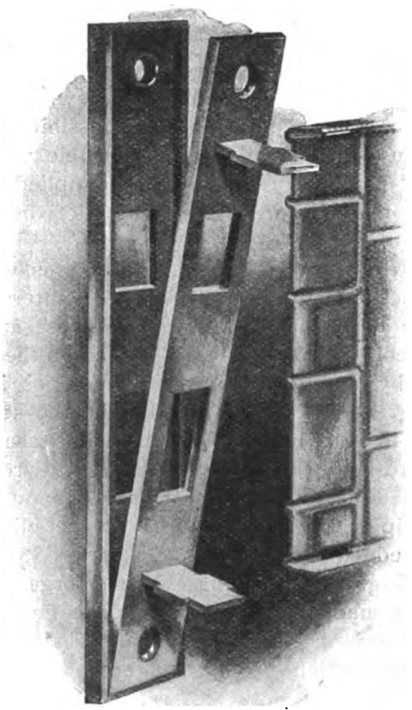


FIG. 1.

The line has been christened "The Yale Standard Vulcan Locks," and they are made of all wrought metal. In a very handsomely printed and finely illustrated booklet, now being distributed to the trade, the new principles, new designs and new mechanism underlying their original construction, are deftly delineated and intelligently described.

Among these practically original features may be named: The extreme rigidity of the wrought steel case; the unique construction of the front; and the cycloid knob action on the spindle, making the "easy spring" motion apparent when knob is turned in either direction. The improved triple spindle is retained in the Vulcan Locks after an experience in other Yale methods covering several years; this would seem to clinch the fact of its superiority having been abundantly proved to the satisfaction of their patrons.

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Even the one little change—so long desired and previously overlooked—of the compensating hub, will be appreciated by the dealers as overcoming much of adverse criticism on the working of a lock when the binding action of the hub through the shrinking of the wood, was the only fault.

From the detailed description clearly presented in this interesting booklet, the points of excellence dwelt upon



FIG. 2.

by the company are as follows: All the various parts are manufactured by machinery from wrought materials, the special advantage of which is that every part is thus made interchangeable, lessening the possibilities of slight variations in construction, creating trouble when in use. The use of machinery to the extent implied puts every economy of manufacture within reach of the company's plant.

We illustrate herewith the salient features which make this construction of the Vulcan Lock interesting from a Hardware dealer's standpoint. The case and cap are made from cold rolled steel, each flanged on the outer edge and ribbed by corrugations in transverse lines, in order to obtain the greatest rigidity possible in the softer metal used, which in other respects promises increased strength. As shown in Fig. 1, the front consists of a wrought steel base, attached to the case by two cheeks, over which is drawn a skelp or cover of wrought bronze clinched over the tapered edges of the base.

The key, Fig. 2, is of solid steel, cold forged from open hearth metal, made in one piece, machine finished, nickel-plated and polished. The bit is tapered, being thickest at the outer edge, which produces a smooth action on the

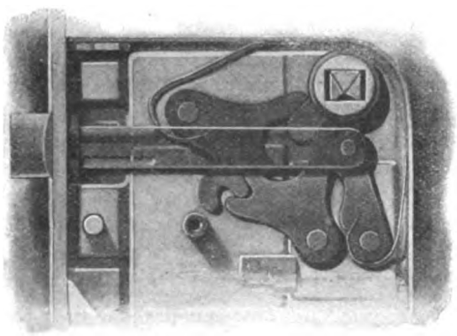


FIG. 3.

tumblers and bolts. A new principle involved in the construction of this improved line of locks is called by the makers the cycloid knob action, and is illustrated in detail in Fig. 3. It will be noticed the sliding action formerly used has been discarded, and pivotal motions substituted which are assisted in their action by intergeared levers; all of these important and interchangeable parts being made from wrought metal. The hub, by which the rotary action of the knob is transmitted, has a single arm or cam projecting diagonally downwards. Bearing against each side of this cam are two pivoted levers, geared together at their other ends, so that motion of the cam in either direction produces the same effect upon the levers, causing the lower one to move backward, carrying with it the third lever, to which is pivoted the end of the latch-bolt.

In its construction, the holes or trunnions in the lock case are flanged inward, providing a broad bearing for the ends of the hub, and the bearings for the key are formed in like manner. In the dead bolt construction the bottom edge is flanged to give it stiffness, and its rear end is thickened by a reinforcement, so as to give a broad bearing for the key in the "talon," the motion being guided and checked by a stud attached to the case and fitting within a guide slot in the bolt-tail,

In Fig. 3 is shown the compensating hub, the use of which precludes the possibility of the knobs binding if well fitted, from any natural shrinkage of the wood in the door. It will be noticed this hub opening is considerably elongated on its horizontal line, and is thus able to eliminate the usual disturbance caused by shrinkage from being an element of anxiety.

The triplex spindle already in use with the Yale locks will be used also with the Vulcan Locks. It consists of three triangular rods which, when united, form a square spindle, to one end of which one knob is permanently pinned. The other knob carries a set screw, which

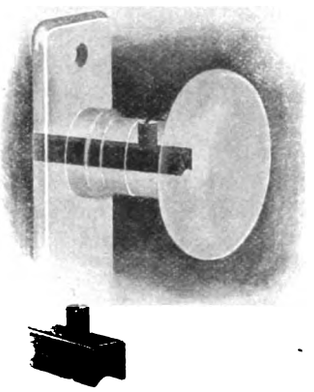


FIG. 4.

bears on the spindle, as shown in Fig. 4. The tightening of this screw expands the spindle and forces it into frictional engagement with the knob shank, thus holding the knob securely at any point, affording perfect adjustment without resort to washers, and eliminating all looseness or rattle of the knobs.

As the company state, in their catalogue these changes and improvements are the outcome of many years of experiment, aided by facilities second to none; and they firmly believe their advanced ideas will be welcomed by those made cognizant of their importance.

The Yale & Towne Mfg. Co. have issued a complete catalogue of the Vulcan Locks, showing them with every variety of trim, separate or put up in sets, many of the designs being entirely new and the list of finishes applicable to the same, full and complete.

James Leffel & Co., Springfield, Ohio, have issued a neat, new pamphlet "D" replete with numerous illustrations and descriptions of the throttling and automatic engines, with portable and stationary boilers, which they are building in a variety of sizes and styles. Copy is sent free to parties interested, on application to the company.

They have a successful organization in Montreal, Can., known as the Hardware Clerks' Association. It was decided at a recent meeting to give a formal banquet some time in October.

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THE WISCONSIN HARDWARE ASSOCIATION.

The gathering of the Wisconsin Retail Hardware Association, in Milwaukee, for their semi-annual session of July 20th and 21st, was one of exceeding interest. The Association was formed early in this year, and now numbers a large and important membership. The gathering was held at the Republican House, and was called to order by President John Hughes, at 2:30 P.M., on the afternoon of Tuesday, the 20th. After a speech of welcome, and of congratulation to the Association upon the progress made, the report of the secretary was read, showing that the membership had more than doubled in six months. The report of the treasurer, William H. Hay, was next read, showing that the Association is in first-class financial condition.

The following resolution was offered by Mr. Peck, the secretary, and was unanimously adopted:

Resolved, That any traveling Hardware salesman in this State shall be entitled to membership in this Association without the paymennt of dues and without the right to vote.

A short speech was made by the Hon. A. T. Stebbins, vice-president of the Minnesota Retail Hardware Association, in which he spoke of the necessity of co-operation among merchants, and of the desirability of a National Hardware Association.

A number of papers had been prepared for presentation, and the first one was read by J. A. Wilkie, of Fond du Lac, as follows:

"SOME HARDWARE SNAGS AND HOW TO REMOVE THEM."

The Committee on Programme has honored me by putting me on for a paper or a few remarks. It must of necessity be a paper, for although my gray hairs testify that I am a veteran in Hardware experience, this is, nevertheless, my "maiden speech" before an organization of this kind, and were it not for the fact that my very brilliant and entirely new ideas on our particular mercantile pursuit were pinned down to this voluminous manuscript I should immediately become overwhelmed by the situation, stage struck, in other words, and all my ideas and cherished remarks would vanish into the empty air or perhaps be scattered helter skelter among this audience, to the confusion, or, may be, to the entire upsetting of some other individual's carefully prepared impromptu (?) speech. Hence, my friends, this paper.

To begin, I would say, we as a body represent one of the best lines of business in the United States, in that whatever the locality or community, whether it be a farming country largely, or a village, a thriving city, or a manufacturing centre, there is bound to be a greater or less demand for the goods we carry, for use in the homes, in the fields, in the shops, and in many kinds of labor. I do not mean to imply that we are all getting rich in the business.

At the present time we realize that there are many obstacles and hindrances in all lines of trade to such a much desired, and we are inclined to think fortunate, state of affairs. Trade has a great deal to contend with—the financial depressions of the times, owing in a large measure to the recent campaign, changes in administration, and unsettled political issues, opposition, competition and numerous other business evils, commonly called business snags, that must be encountered and overcome daily. A Hardwareman has to have capital, brains, experience and a good share of business enterprise and energy to get to the top these days. However, we do not despond, but anticipate better things for the future. Our fathers, mothers and teachers were ever wont to impress us with the fact that "the road to success is steep and strewn with many difficulties." Cheer up, then; we are undoubtedly on the right road.

Speaking of business snags, I regard competition as one of them. We recognize, of course, that there is such a thing as legitimate competition. We do not wish to be monopolists or "cock of the walk" in any community, realizing that a fair degree of competition is healthful, in that it is a stimulus in business and suggestive of enterprise in a thriving locality. There is, however, a reckless competition, and this is the snag I have reference to, a reckless competition that is indulged in by the demoralization of prices. We are all aware that there are dealers in some towns who, because they have capital, have no compunction about driving a rival out of business by a systematic cutting of prices on leading articles, and more especially on staple goods. They seem to be utterly wanting in the spirit of public, or, rather, local interest, that would tend for a regard for the business welfare which ought to be fostered and preserved among mercantile men in business centres

AS TO DEPARTMENT STORES.

This brings to mind another business snag or evil, one whose harassing influence has been felt throughout this country, more especially in the West, and which may be considered as perhaps our most formidable adversary. I refer to department stores. They have been the subject of much earnest consideration and consultation on the part of the business men of the Northwest. People generally seem to be in sympathy with the retail dealers, but not to the extent that they are willing to pay a few cents more for an article than they can get it for at the bargain counters of a department store. The universal sentiment is strong against this hindrance to legitimate business and local prosperity. Let me quote a few remarks on the subject from a trade paper:

The opposition to the great department stores is taking a tangible form that promises to array the best retail interests of the country against this giant monopoly. It is the universal sentiment that there is just at present especial need that efforts be made everywhere to revive trade and place our manufacturing, mercantile and financial interests on a firm footing. To such progress the department store is an obstacle, and legitimate business should not be hampered by the demoralizing policies of such establishments, which, avoiding the burdens and responsibilities common to the regular retailers, keep within no settled boundaries of action, depend on others to carry stock and pay expenses, destroy adjacent real estate values, and take the cream of the retail trade from the men who have built up and still maintain the real business of the country.

Thus it is evident that others realize how unequal is the contest and are anxious for a solution to the difficult problem. Has it not been proved more than once in the history of our country that centralization of power in one or a few individuals is not only contrary to all ideas of democracy, but also a threat against national power? The same argument holds good in reference to institutions that do business on piratical principles. They are a menace to trade. Therefore, for the sake of the many as opposed to the selfishness or cupidity of a few, department stores should be suppressed.

Another snag looms up in the interference with our trade on the part of manufacturers and jobbers. We are glad to say we personally have nothing to complain of.

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Nevertheless, it is a grievance which some dealers have. The selling of goods and quoting of prices direct to the consumer constitute the worst kind of opposition and hurt the retailer more than hard times, crop failures or anything else.

Again, another evil, one that is not common to Hardware dealers only, but is a source of annoyance, if not worry, among merchants in various lines of business, is the lack on the part of the people of what may be termed local patriotism or loyalty, and I am sorry to say that business men are often to blame in that they often thoughtlessly encourage it. Take, for instance, a druggist who allows his wife to send to Milwaukee for a steel range and trimmings for a new house. A good Hardware house is right in the same block, pleasant relations otherwise existing between families or dealers, yet that druggist has a kick coming because the Hardwareman allows his wife to go to Green Bay to take advantage of a sale there, in buying wall paper for her new house.

We merchants are aware, or should be if we are not, that the prosperity of the place in which we live is of vital importance to us. Our influence should be directed toward strengthening and building up the resources of our own town and in the protection of home institutions. Not alone this, but we should impress that opinion upon our families and friends. How many here who do not know of instances where business men allow their wives and daughters to buy out of town, even encouraging them in the practice, because they can save a few dollars? Nevertheless, these same men expect the patronage of the wives and daughters of other local dealers. I tell you there is no surer way than this of destroying confidence and creating business jealousies in a community. So much, my friends, for business evils. Now comes the question: By what agency or medium may we avoid or counteract them?

Doubtless necessity has been, more than any other cause, the incentive to arouse and prompt the minds of men in devising inventions and practical methods. Certain it is that the realization in the minds of Hardware dealers of the necessity of devising some scheme of self-protection against these very evils which I have mentioned has resulted in what is known as our Retail Hardware Association. The object of the organization is to bring retailers, jobbers and manufacturers together, as we are here today, to discuss questions of mutual business interest, to correct abuses or annoyances common to both, and to impart to each other information derived from individual experience.

The influence thus secured by concerted action will prove to be the much needed medium of protection. And this influence which is to prove such a power and practical benefit to us will depend, of course, upon the active interest of individual members, by the general participation in its councils or conventions, as well as by a wise and conservative management of its affairs. As a representative from Fond du Lac, I am speaking now not so much from experience as conviction, seeing that our organization is still young, a conviction that this Association will prove to be of substantial benefit to dealers in our own city and throughout the State. A dealer cannot afford to miss a meeting held by the organization. The discussions are interesting and instructive, and at the same time they afford an opportunity for the members to become acquainted with one another, and a bond of social relationship is established and cultivated that is enjoyable and advantageous to all its constituents.

"THE HARDWARE BUSINESS OF TO-DAY."

A paper on "The Hardware Business of To-day," was next read by O. P. Shafer, of the Shafer Hardware Co., of Appleton, Wis. In his opinion the Hardware store of today differs vastly from the old one of twenty years ago. "I can picture," said he, "the average Hardware store of that time as dark, dingy, gloomy, poorly lighted and uninviting, and then note the contrast as you step into one of the Hardware stores they are building and arranging now. A Hardware store can and should be made as attractive and inviting, even to ladies, as a dry goods, millinery or jewelry store, and I am glad to note that every year there is a forward movement in the direction of making them so.

"This is a progressive age, and a man to keep up with the procession must study up and employ new methods to display and arrange his goods so as to attract the attention of the people. An attractive store front, with a tasty window display, which ought to be changed often, will make a favorable impression on a passer-by, invites him to come in, and once in, if properly handled, you can probably make a customer of him. Particular attention should be paid to keeping the stock clean and in order. There is always some time during the day when there are no customers to be waited on that can be employed in cleaning, dusting and rearranging goods on shelves or on the floor, and thereby help you to more quickly wait on customers in busy hours.

"The Hardware business of to-day could not be carried on successfully and profitably in the same manner it was twenty, fifteen or even ten years ago, as competition has been growing sharper and profits have been growing smaller year by year; in fact, so much so, that to-day many articles are being sold for less money than the profits formerly made on them. For instance, Universal Wringers used to retail at $8, leaving a profit of $1.75 to $2 each: to-day the retail price is $2 or less. I remember selling 6-quart plain IC pressed dairy pans at $4 per dozen, leaving 75 cents to $1 per dozen profit, while now they sell at 75 cents per dozen, netting 12 cents to 15 cents per dozen profit. The first barb wire I sold at 12 cents per pound, leaving 2 cents to 2½ cents per pound profit, and I could mention many similar items. Then, on the other hand, you take the growing tendency of dealers in other lines putting in some lines of Hardware, either to help keep up their diminishing profits or use as trade catchers. I know of instances of lumber dealers selling building paper, nails, paint and also house trimmings, and selling them at or nearly at cost in order to catch the order for lumber, on which they would make larger profits. Dry goods, grocery and notion stores have put in 5-cent and 10-cent counters of Hardware, besides pocket knives and tinware. Drug stores are selling cutlery and fishing tackle. Bicycles are sold in all kinds of stores and shops, even in butcher and barber shops, and last, but not least of all, is the department store, with almost everything in the Hardware line where there is any profit for the legitimate Hardware dealer."

At the session of Tuesday evening, a very able and interesting paper was read by C. W. Aldrich, of Minneapolis, Minn., upon the theme "What Can the Association do that will be of the Greatest Benefit to the Dealers?" The speaker said:

RETAILERS AND HARDWARE ASSOCIATIONS.

When I received an invitation from your secretary, Mr. Peck, to be present with you on this occasion and give you a little talk, or paper, on "What can the Association Do that Will Be of the Greatest Benefit to the Retailer?" I must confess I had some misgivings as to an acceptance, not because of ill faith in such organizations as yours, but because of the deep question involved, and a fear I might not be able to interest you or largely contribute to the aid of so good a cause. The deep earnestness I entertain for improved conditions in the line of retail merchandising prompted a favorable reply. I trust, however, abler hands may be induced to undertake the completion of the work.

My first proposition is that the retail merchant is today the most important factor of our commercial being. He is the common center around which cluster the consumers of every class. He is the pivotal point where the

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manufacturer and wholesaler turn from the commercial highway to the consumer, depositing their wares, the products of the mill, the loom, the factory, full in the belief that he (the retailer) is the logical and intelligent distributor, the mediator between themselves and the consumer. In the prehistoric ages, whatever may have been the customs of exchanges is largely a matter of conjecture. For hundreds of years since the advent of civilized man there has always been a mediator, a distributor, an exchanger who parcelled out the larger stocks to the consumer, as his wants required. This same mediator, or middleman, has been largely instrumental in returning to the manufacturer the raw material, the product of the consumer. The retailer stands to-day where he has ever stood since civilized trading began, and where he must ever stand if our commercial being shall be preserved and made glorious.

How best, then, can we foster and preserve this most important factor—this factor without which the wholesaler must perish and the manufacturer become crippled—this prime factor alone the greatest element of strength to the commercial world, the man nearest to and most important to the consumer?

Men living to-day who have by a few years turned the half century mark have lived through 50 years of our country's greatest history. In the last 50 years we have made history faster, we have made more rapid strides, we have made larger development and pushed forward to a higher state of development than any known country of the world. Fifty years ago we were scarcely at the beginning. We were then in the primative days of our development. Soon thereafter the fell hand of internecine war was laid upon our industries, then slowly unfolding. Our energies were taxed for our greater needs, and closer application of man's inventive tact to meet the demand caused quickened energy, and in the shortest possible period we had grown from a small, young nation to one of the most powerful and resourceful of all the earth.

A MOST MARVELOUS DEVELOPMENT.

In 25 years we have seen very large manufacturing industries covering acres and acres of floor space built up, from small, little beginnings. In 11 years preceding 1890 ours was a mad, eager, breathless race of rapid development. In that time more than 1,000,000 emigrants came to us from the old countries. We builded nearly 90,000 miles of railroads. Quite 2,000,000 people from the denser populated portions of the East crossed the continent to the plains and California, building new homes, villages, towns and cities. Under man's tutelage our broad Western acres have yielded most bounteous harvests. Every industry—engineering, mining, manufacturing and agricultural—has laughed at man's touch and yielded a thousand fold.

This was the greatest and most rapid development and expansion ever known to the world. We had possessed all the elements needful to our development, but no cause had forced them to the front. With our greater development came greater want—one want begetting another. Four years of war and its demand created expansion, and made waste. Under expansion came constantly increasing and fictitious values. It was not necessary then to be an adept in business, and he who engaged in commercial trading was, if fairly attentive to business, usually successful. The waste of war necessitated reparation, which has gone on to its almost final completion, and with its completion comes a reaction from our too rapid development and expansion. The great army necessary to our development and the reparation of wasteful war has become an idle horde. Our home productions are many times greater than our consumption. The development of other countries in the same period as our own has largely closed the markets to our products and industries, and we awake from the period of great prosperity and industrial development to face the reality, and a more moderate pace for future advancement.

HAND LABOR AND MACHINERY.

From a period of hand labor and hand production we have, almost before the thought of time, stepped into a period of large and cheapened machinery productions, where a single little machine produces in less time the represented labor of 50 or 100 men. What means this changed condition of affairs? Retrenchment, reforms, lessened prices for our products because of lessened demands, lessened productions because of already overcrowded markets, lessened margins of profits because of enforced economy of living; even Mother Earth, because of a superabundance, is not of necessity called upon to yield her most bounteous supplies.

Under this changed condition of affairs must we of the present generation trim the commercial sails for a continued forward advancement. To no class of people is delegated greater or more important functions of meeting these conditions and guiding the commercial craft through troubled waters than to the retail merchants of to-day. The manufacturer does not heed, and seemingly will not realize our changed conditions. Wholesalers are trying to force our overburdened markets; schemes and all sorts of cunning are resorted to to win business from one channel to another. Down at the gateway, at the door of the consumer, stands the thoughtful retailer. He grasps the situation; he knows the consumer's wants; he knows the remedies; give to him the pleadings and he will find the solution To meet the issues and restore prosperous conditions he must:

1. Receive the aid and encouragement of manufacturer and wholesaler.

2. He must stand as he is, the only logical dispenser and administrator of the consumer's wants—the distributer of the commercial products.

During the few years of our too rapid development large industries were builded up and smaller ones begun. Our manufactured products multiplied under various forms of improved machinery, and a man's cunning produced beyond our requirements, until to-day we have a congested market, crowded to a limit beyond our conception. This state of affairs has led to scheming and all forms of intrigue to keep our factories in operation and their enormous products disseminated. Adulteration of food products, deceptive and false advertising, false scheming of all sorts have been brought to bear in the pull for business. Selfishness, avarice and greed have largely governed trading.

The consumer (the producer) has become restless under the influence of market depressions; his acres do not broaden, neither does the yield increase, while the constantly lessening prices play sad havoc with his earnings; hence he is constantly casting about for a better market for his purchases, and the ever alluring and gilded advertisement catches his eye, purloins his judgment, and he flies from supposed evils to ills he knows naught of. He turns down his best friend, the retail merchant, and embraces the supply man and department store, who will sell him a few staples at less than cost and take 100 per cent. profit on goods he knows little about.

During our development and the reparation period manufacturers were ever crowded with orders, and the question of being able to fill them was the only bother to their business. For like reasons the wholesalers were always building upon a growing and expanding business. The conditions which provided expanding markets to meet the constant demand have all too suddenly changed, and manufacturers and wholesalers are blinded to the facts, or will not concede them, and by every artifice known to man are trying to force the markets, only to the disadvantage of our commercial industries.

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AS TO CORRECTION.

To the retailer must come the duty of correction. And why the retail merchant more than manufacturer or wholesaler? Because of his position in the trade, his close proximity to the consumer, his standing almost at the beginning and ending of commercial transactions. For hundreds of years the retail merchant has been the student of consumption's wants; to know the requirements, to prepare to meet them, is and has ever been his mission in trade. More earnestly now than ever before in our country's history must he address himself to the work before him. He must become not only a student, but an artist in the work of rebuilding our commercial industries upon strong lines of perpetuity. His labor must be unselfish, and single to the general good of our common country. His reward must be the honest increment of legitimate merchandising. A thousand little vices and ills have crept into the retail business unawares. To correct them requires application and united co-operation of all. State organizations should be effected; co-ordinate county organizations should also be instituted as aids to State associations. Several States should be constituted a district association, and from these district organizations should come a national association. The evils easily discovered should receive the remedial appliances which the best minds of your organization shall suggest. Co-operation with manufacturer and wholesaler, and not antagonism, will do much to perpetuate your associations.

Three simple remedial laws, enacted by the several States or the general government, would, no doubt, accomplish all these requirements. These laws can be offensive to no one, and must receive the sanction of every honest American citizen:

1. A law prohibiting and preventing all forms of food adulterations, so injurious to the general health of mankind.

2. A stringent law compelling the proper labeling or branding of all classes of goods and compounds made as substitutes, and so often advertised as the genuine article and sold at one-half the price.

3. A like law regulating all forms of business advertising, compelling advertisers to live up to the line and spirit of their advertisements, preventing fraud and deception of the credulous.

The first law would wipe out all injurious compounds known in the trade, as baking powders, spices, peppers, package coffees, impure teas, all nauseating and vicious compounds. The second law would make it impossible to sell inferior and poor goods to the consumer as genuine or equal to the genuine, because the proper labeling would be the evidence of untruth.

The third law would eliminate all the schemes and double proceedings of designing tradesmen, as well as play work of the consumer, who so frequently tries to play horse between dealers of his own or adjoining towns. It would also cut off many of those little jealousies which arise among neighboring dealers, marring the harmony and lending aid to the corrupting influences of good commercial business.

Each and every one of these laws would be a just one, wronging neither manufacturer, wholesaler, retailer, nor consumer, as they would do much toward a just correction of existing evils without injury to a single honest competitor in business.

I commend them to your organization to be adopted into your constitution and by-laws, with a further hope that all kindred organizations will embrace the same measures and that united and concerted action on the part of all true trade organizations will see that in the near future, as they may be reached by the several State legislatures, they shall be made a part of our common laws. Your little ills can be largely remedied by closer social relations and more thorough co-operation. To that end I endorse the Minnesota plan of county associations or assemblies of members of the State organization.

A CASH BUSINESS.

Another commendable measure, and one that will bring you greater relief, is a cash plan of business, buying and selling. When your customer goes to the department store or catalogue house it is with cash in hand. Why, then, should he not come to you with cash? You are ever ready to sell him for his spot cash at a less price than his time payments.

Adopt to the furthest extent the cash plan, and show your patron the wide difference between the strong and the weak factor in trade, and he will not long favor distant markets. Buying and selling for cash makes business pleasant, maintains friendship and saves money to manufacturer, seller and consumer, admitting of smaller margins of profit and larger net annual gains.

I commend to you the adoption of the cash system to the furthest limit in your business as retailers. Many manufacturers and jobbers who know your commercial worth would much prefer your time account than cash transactions, because the interest rate is so much less than the discount rate upon your purchases.

AS TO COMPETITION.

The course of every country merchant should be to encourage healthful competition, to further and aid all plans for improving the market conditions of our immense farm products. While studying your own interests you should not for a moment forget the interests of your patrons, and be ever ready to aid them in securing better prices and better market facilities for their surplus products. It is your duty, and you owe it to your patrons, to look squarely into the face of all competition and so shape your business dealings, as to meet, and meet honestly, all classes of commercial trading. The honorable competition you fear not. It is the dishonorable competition that robs you of your rightful share of the business, and your patrons of their cash.

It is your province to decline to do business with those who do not favor your policy of action, but I am inclined to think much can be accomplished for your association and its members by friendly conferences with the jobber and manufacturer. What is true of your organization will be also true of others. You can also do much for yourselves by an earnest effort to make yours a valuable account to those you buy from by prompt paying, and working to the closest possible line of cash transactions.

Confining your business to a smaller number of reputable business houses will materially aid you in the work and put you in the line of gilt edge credits.

CASH PURCHASES.

It is not always the largest or most pretentious house that will do you the better service. You should not seek for long time datings, or time purchases, but make strong efforts for the shortest prices, time, and frequent settlements. The house who shall receive your frequent requests for goods, followed by prompt settlements, will the more fully appreciate your worth than by larger requests and long drawn out settlements. You can always touch bottom prices with your cash, and cash brings you in touch with every market of the world, buying or selling. In your leasure moments figure out what your 1 and 2 per cent. ten days, or 5 per cent. 30 days costs you as an annual interest rate, and you will not long ask what is the dating, but what is the cash price; and if you do not have the cash, borrow from your banker, saving money by the transaction.

Another beneficial thing to the retailer is the home distribution of the consumer's cash. Buying and selling in the home market first circulates the cash among your own

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people and gives every member of your community, directly or indirectly, a benefit from the transaction. Money earned at home and circulated abroad is most ruinous to your community. Few of you who have been in business for any number of years but what have accumulated more or less of so-called obsolete stock, out of date patterns, etc.

Much good will come to you and your business by cleaning out all such goods and converting them into cash at some price, the first loss being the better one. Profit is out of the question, and the longer such goods are held, so much the longer have you tied up a portion of your capital, encumbered your store and warehouse, and to no purpose. Every piece of obsolete and shop worn goods in your stock is a drawback to your business. Clean them out, and freshen your assortment by newer productions and better grades at modern prices. Taboo all obsolete and out-of-date goods, no matter what the allurements in price or blandishments of the traveling salesman. Let the manufacturer put them into the remelt.

Manufacturers whose utmost resources have been drawn upon in past years close their eyes to the inevitable fact that expansion has run its race. Wholesalers alike will not grasp the situation, and it devolves upon you, as retailers, to apply the remedies.

Manufacturers and wholesalers, to recover their lost volume of business, are in many cases trying the double act of wholesaling and retailing. You complain of this, and justly so. Concerted action through co-operation on the part of all individual members of your associations will remedy this evil; you will do this without antagonizing the manufacturer or wholesaler. You have no right to be arbitrary in your requests or demands, and should ever strive for the most harmonious dealings with those you buy from and to whom you sell. You should try to perfect yourself in the art of merchandising, and instruct your sons and daughters, who are most likely to follow you, in the best methods of trading, selling and accounting.

To-day the wholesaler's position is a more precarious one than that of the retailer, and he must cease to be a factor in the business if the present trend shall continue. The preservation of the wholesaler will also largely devolve upon the retailer. The retailer can go direct to the manufacturer, importer and producer. The wholesaler cannot successfully go to the consumer.

I commend to you, gentlemen, as means and measures the most conducive to success and as resultive of the greatest benefit to the retailer, the cash plan of business, cleaning out of all obsolete goods, a total abolition from your purchases of old pattern and out-of-date goods, thorough co-operation and affiliation among your membership by frequent local and State gatherings, and an earnest enlistment of manufacturers and jobbers in conjunctive work.

Gentlemen, may I not trespass upon your time for one word for the traveling salesman? For him I do not claim perfection, nor does he require any one to plead his cause. His mission is not one of trespass, or presumption, but to do the work of his employers. With all his faults or shortcomings, take him up one side and down the other and you will not find a better average among any class of men. While you cannot buy from all, nor the traveler sell to all, you can at all times give him a respectful hearing. He is your friend and conservitor, holding much of good or of ill to you in his keeping. Treat him kindly and only turn him away empty handed when trade conditions demand it.

Gentlemen of Wisconsin, from the Minnesota Retail Hardware Association I bring you kindly greeting.

With outstretched arms we pledge you unselfishly our aid and most hearty co-operation in every just and honorable movement that will tend to enhance the prosperity of retail merchandising. As between the Minnesota association and all other kindred organizations there shall be no bar. We will stand upon the common ground for the common good of all retailers, to the end that our internal commercial interests shall be bettered and made the most perfect, bringing a full measure of prosperity to retailer, wholesaler, manufacturer and consumer.

On Wednesday the following papers were read: "How to Make the Hardware Business More Profitable?" by William H. Munn, of Milwaukee, and "Hardware as a Business," by James Montgomery, of Wausau.

One suggestion made by Mr. Munn, in regard to the buying of staples, is worthy of reproduction and consideration. He said:

"There is another problem of interest that I wish to refer to—namely, the buying of your staple goods, as iron, tin plate and other metals, nails and screws. These items and others that could be mentioned, it seems to me, could be bought with considerable advantage at times by a co-operative plan.

"I am fully aware of the difficulties attending this method as a rule, but it does seem as if the following plan is entirely feasible:

"In the city of Chicago there are merchandise brokers who could attend to the business and be paid by commission from the sellers. The secretary of the Association should have blanks prepared, and each member be furnished with a supply. Take the item of galvanized sheet iron. Let members who use this in fair quantities—say ten bundles or more in a lot—form what might be called a subscription. Each one send to the secretary on one of these blanks a memorandum of kinds and amount desired, the secretary to forward to the broker all the blanks, provided of course, several hundred bundles are wanted. He can then secure a price based on the quantity and advise each subscriber. He would be interested in making the sale, and would secure as low a price as the market would afford, lower than any individual could get. If acceptable to the subscribers they could order their iron, and it would be shipped to and paid by each one individually. In case all did not accept, of course, the broker might have to decline the order, and in case a subscriber was unreasonable he should be barred from future participation. To large consumers of iron this plan might not be of much benefit, but to a large number in the trade who use a fair quantity it ought to save them money. But the main question to be considered is its development. What would the initiation of such a plan lead to? It seems to me if members would be interested and endeavor to make it a success good results would be secured. It would lead, I think, to the transaction at our annual and semi-annual meetings of considerable business. We would come prepared with our wants and meet representatives of manufacturers and others seeking trade."

At the conclusion of the second paper, the following resolutions were unanimously adopted:

Resolved, That permission be given kindred associations in adjoining States to receive as members dealers of Wisconsin living adjacent to them, upon their granting us permission to do the same.

Resolved, That the trade papers are almost a necessity to the retailer, not only for quotations but as an avenue of communication between this and other associations and the retailers.

The subject of a Northwestern Hardware Association, was taken up by Mr. Stebbins of Minneapolis. He urged the attendance of delegates at the meeting to be held in Minneapolis, in February next. The matter was referred to the executive committee, with power to act. A resolution in favor of notifying manufacturers to be present at the next meeting of the association was adopted, after which the convention adjourned to meet in the same place on the first Wednesday in February next.

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DEATH OF JOHN P. LOVELL.

In the last preceding issue of *Hardware*, mention was made of the serious illness of John P. Lovell, founder of the John P. Lovell Arms Co., Boston, Mass., at his summer home in Cottage City, Martha's Vineyard. He was stricken suddenly with apoplexy, and after sixteen days of illness, peacefully passed away, on July 29th. The remains were taken to East Weymouth, where they were interred, in Fairmount Cemetery.

John P. Lovell was a native or Massachussetts, having been born in East Braintree, on July 25, 1820, the son of John P. and Esther (Derby) Lovell.

In many respects he was a notable man. He was to all intents and purposes a business man, and his long business



JOHN P. LOVELL.

career was marked all along the line by perseverance, activity and honor.

His seventy-seven years of life were full of incident. He began the battle of life early. He was obliged to struggle for his education. He became acquainted with sorrow early in life, when he lost his father. Thrown upon his own resources, he fearlessly entered the arena of toil and strife. He worked in a cotton factory, then in a gunsmith's store, next as a grocer's boy, then as a tailor. From the tailor shop he went back to the cotton factory, then he became a drover's boy, and next an auctioneer.

So this commercial veteran of later years gained his experience, and in this rough school of varied work laid the foundation of his future character.

At the age of sixteen he returned to the gun store and remained there for the rest of his days, beginning as an apprentice and becoming one of the leaders in his branch of commerce.

At the age of nineteen he was made a foreman of his shop, and a year later became a member of the firm. Scarcely had he become a member of the firm when his partner died. Then came difficulties, hardships, dull times and other business handicaps, but he struggled bravely on.

He was an admirable specimen of a well-preserved manhood, and until very recent years could have been seen almost daily at his place of business. His name stood out boldly, firmly knit with courage, ability, integrity, a good old solid New England name.

John P. Lovell was a prominent secret society man, a Mason and an Odd Fellow. He was a charter member of Crescent Lodge, a member of Wompatuck Encampment, 18, Orphan's Hope Lodge, F. and A. M., Pentalpha Chapter, R. A. M., South Shore Commandery, K. T.

He was also a member of the Massachusetts Mechanics' Charitable Institution. He was the first president of the East Weymouth Savings Bank, holding the position fifteen years. For twenty years he was a director of the Weymouth National Bank, and he was also a director of the South Shore Masonic Mutual Relief Association.

In 1864 he represented the Weymouth district in the legislature, but declined to run for senator. He held the oldest policy of the New England Mutual Life Insurance Co., it having run over half a century.

During the past fifty-seven years Mr. Lovell resided in East Weymouth, where he had a charming rural residence on Station Street within easy distance of the railroad station and the residence of his son, Col. Benjamin S. Lovell.

The life of this remarkable man is worth telling in detail. His father came of old Cape Cod stock, and was a native of Osterville. He was a well-known shipmaster and commanded a ship belonging to the late Robert G. Shaw, then a noted merchant. While on a trip to the East Indies, during the year of his son's birth, Capt. Lovell was stricken with yellow fever and died.

John P. Lovell attended school until he was eleven years old, eighteen months of his tuition being at the Weymouth Academy. Leaving school he entered the cotton factory at East Braintree, of which Mr. Vickery was superintendent. He worked for one year, when his mother removed to Boston. He attended school at the old Hawkins Street schoolhouse for about a year, and then went to work for A. B. Fairbanks, a gunsmith, whose store was at the corner of Exchange Street and Dock Square. He remained with Fairbanks about three months, his principal occupation being the hardening of his muscles by manipulating the blacksmith's bellows. Upon leaving the gunsmith's, he entered the grocery store of Frederick Smith, situated at the corner of Court Square and Williams Court, where Young's Hotel now stands.

After about eight months' experience as clerk, he secured a situation with a tailor at the corner of State and Devonshire Streets. He spent six months learning the rudiments of the trade and then retired fully satisfied with his experience. At this time Representative Fuller, from Holland, who was attending general court, and boarded with Mrs. Lovell, invited young Lovell to go to his home with him. The invitation was accepted, and Lovell accompanied the rural legislator to his abode. He entered a cotton factory in Holland, and remained there three months. At the end of this time he became homesick and desired to return to Boston. Being without money he obtained permission from a

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drover who was taking a flock of sheep to the city to accompany him, and walked the entire distance from Holland to Boston.

Upon his return he again went to work for Mr. Fairbanks, and remained with him for some time, when he left and entered the service of the late Jabez Hatch, a well known auctioneer on Congress Street. He remained with Hatch till January 1836, when Jabez was succeeded in the business by his brother, Samuel Hatch, one of Boston's best known and popular auctioneers of the present time.

Mr. Lovell remained three months after the succession of Samuel Hatch, during which period there sprang up an intimacy between them, which the friendship of a lifetime only served to more firmly cement in the bonds of fraternity.

The duties of an auctioneer not proving congenial to the tastes of young Lovell, he severed his connection with Hatch and returned to his first love, the gunsmith's shop of Mr. Fairbanks. He apprenticed himself to Mr. Fairbanks until his majority, and was to receive $2 per week and $25 for clothing the first year, with an increase of 50 cents a week per year and clothing allowance of $10 per year until he was twenty-one.

Young Lovell was advised by a friend to apply himself assiduously to his chosen vocation and to prove himself in every way worthy of his master's esteem and confidence and to render his services so valuable to him that he could not dispense with them.

This advice, coming from the source it did, made a deep and lasting impression upon the susceptible mind of the young apprentice. He conned it over in his brain and when he reentered the service of Mr. Fairbanks, he had fully resolved to profit by the kindly advice tendered him. With this high-minded purpose in view he began a career of honorable prosperity. He applied himself closely to his trade, and by steadfastness was so far successful in establishing himself in the good graces of his employer as to merit and receive the latter's strongest commendation.

Mr. Fairbanks was so well pleased with his apprentice and so strongly impressed with his business tact and reliability that, finding him perfectly competent to fill the position, he placed him in charge of the shop, two years before his apprenticeship expired. A year later Mr. Fairbanks offered Lovell a partnership, Mr. Fairbanks to furnish the full amount of capital and give Lovell a half interest in the business. At this time young Lovell hadn't a dollar to his name and was $63 in debt to a relative.

Mr. Lovell accepted the offer and the firm became Fairbanks & Lovell. Many wiseacres in business circles thought it an unwise thing to take an inexperienced apprentice into the business and give him full control, but Mr. Fairbanks said "Lovell can make $3 where I can't make $2." Lovell's profits the first year were more than $700, and the business prospered under his management.

In the midst of the brightest prospects for Mr. Lovell his partner died, August 27, 1841. This event greatly discouraged Mr. Lovell, who had but recently married, and who was now in serious danger of being thrown out of business, as his partner's heirs did not wish to continue it.

At this juncture, however, a friend offered Mr. Lovell the necessary financial assistance, and in company with Leonard Grover, a fellow workman, he acquired the entire plant. They formed a partnership under the style of Grover & Lovell. The partnership continued until 1844, when it was dissolved by Mr. Lovell buying out his partner's interest and assuming complete control. As the the profits increased the stock was extended, and from this humble beginning grew a mammoth business.

John P. Lovell, as a business man, was the soul of honor. His was the spirit behind the throne in the firm which in its line has achieved remarkable things. John P. Lovell from early childhood had been inoculated with all the sturdy qualities of the robust New Englander.

He was industrious, frugal, honest and slowly but surely piloted his business through the inevitable vicissitudes which come to most business men and too often wreck them. He was a man of vigor and keenness, he lived a hardy life and died at a ripened old age, respected by all who knew him.

Mr. Lovell had a virile personality. He was always blessed with good health, and his smoothly shaven face was brown and unwrinkled, while he was as sturdy in body as he was in mind and morals.

He was a man who did not fear to review the past, and he could point to a record unsullied and a character unblemished during a long and successful career in the busy marts of trade.

The story of his life is full of suggestion to the youth of America and points the way for them amid the temptations of a hard and competitive business career to make their names synonymous with honor and integrity.

At a meeting of the Hardware and gun trade held in Boston, the following resolution was passed:

Whereas, it has pleased Divine Providence to remove our late business associate, John P. Lovell, therefore

Resolved, That in his death we mourn the loss of one who by many years of business efforts has merited our esteem, and we recognize in his career the faithful merchant and affable friend.

Fayette R. Plumb, Incorporated.

Fayette R. Plumb, Philadelphia, who has for years been known, the world over, as a leading manufacturer of fine edge tools, hammers, railroad tools, etc., has taken an advance step in the line of incorporation. His entire plant, including real estate, machinery, merchandize, and book accounts, has been sold to a stock company of unusual financial strength, to be known as Fayette R. Plumb, Incorporated. The new concern took possession on August 2nd. It is needless to say that as president of the new concern, Mr. Plumb will be in active control as before, and that in co-operation with a board of directors which contains the name of Samuel Disston, he will push the great business he established to a degree of success even greater than that of the past. The new concern commences its business career with largely increased capital, and no liabilities of any kind. Mr. Plumb retains a controlling interest, and proposes to give the company his personal and undivided attention.

It Has Struck Cleveland.

How pleased are they in beautiful Cleveland to see the wheels go 'round! The wheels, in this instance are those of the Cleveland Rolling Mills, one of the mammoth iron concerns of the world, and a certain index of the business prosperity of the country.

A dispatch from Cleveland under date of August 2nd, says: "The great plant of the Cleveland Rolling Mill, the city's greatest manufacturing concern, started up to-day. It resulted in a scene of activity such as has not been witnessed in the iron wards of the city in years. The mill reopened in all departments. Twenty-two hundred men went to work to-day. By Thursday, General Manager Wilson Chisholm says, 3500 men will be at work. This is the first time all of the departments have been in operation in years."

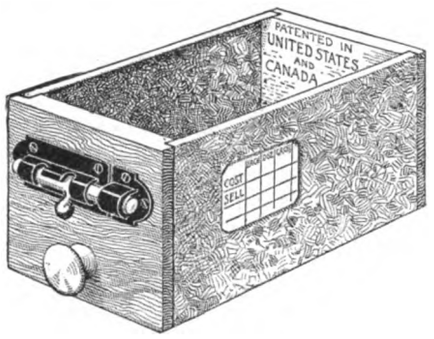
A bar of chrome steel half an inch square and five inches long has a strength of 141,000 pounds per square inch, being thirty-seven per cent. more than carbon steel. The nominal strength of steel is thirty tons per square inch.—*Michigan Tradesman.*

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NEW GOODS AND SPECIALTIES.

The Heller Hardware Steel Shelf Box.

W. C. Heller & Co., Montclair, N. J., are the manufacturers of the Hardware Store Shelf Box, which we illustrate herewith, and which has met the approbation of the trade and become extremely popular. The Heller Steel Shelf Box is the offspring of necessity, being the invention of a practical Hardwareman of twenty-three years' experience, who had looked in vain for the ideal box for his purpose, and so harnessed up his inventive faculties and made what was wanted. That it was the proper thing, his subsequent success has abundantly demonstrated. The boxes are



made with pine, whitewood, oak, ash, walnut or cherry fronts and backs, painted, stained, varnished or in the white if desired, to suit the existing fixtures of the store. The sides and bottom are stamped of one piece of smooth finished galvanized steel. The edge of the steel is embedded in the wooden ends and secured by brads, driven from the inside. A depression on one side near the front is enamelled, upon which the cost and selling price of the contents of the box can be marked, and the marks can be rubbed off and changed at any time without injuring the enamel. With these shelf boxes any dealer can keep a full stock of shelf goods in a very small space, and at the same time display them on front of the boxes to which they can be easily and firmly attached, as the wooden front is ¼ of an inch thick, and will not split when a screw or nail is driven in to hold a sample. In this manner the whole assortment of a dealer's shelf goods can be in plain sight and stimulate a customer's wants; and as the boxes are made for long service, the cost can be averaged over a number of years use of them. These boxes are made for heavy as well as light Hardware; the fronts are all sandpapered smooth and have no rough edges or nails to come out on the outside to tear the shelving. The prices should not be compared with the cheap unfinished boxes in the market, but if quality, finish and wearing durability is considered, they are claimed to be the cheapest box on the market. The steel is not painted or japanned, but is the best patented smooth finish galvanized steel, the kind which does not rust. Sample boxes will be mailed upon receipt of twenty cents, and the manufacturers state they will be pleased to answer all inquiries as to cost promptly upon request.

The Family Steam Laundry.

W. R. Harrison & Co., Massillon, Ohio, are placing upon the market, and for which purpose they solicit the agency of the retail Hardware dealers of the country, the most complete steam laundry combination of a portable character, we have had our attention called to. It is intended especially for family use and, as will be noticed, it is so constructed that it furnishes in a single complete portable plant, a washing machine, with stove connected, having a boiler and steam chest, wringer attachment, clothes tray, etc., so that it may be relied upon to wash, boil steam, rinse and blue the clothes during the operation of laundering, and by the aid of which the starch may be prepared, the irons heated, aud if found necessary, even the dinner may be cooked, all upon the one portable plant. It is claimed by the makers that its use enables an ordinary washing to be disposed of in a couple of hours that usually consumes the entire day by the customary facilities. The use of this machine dispenses with the drudgery inseparable from the old fashioned methods of performing this necessary domestic employment. The system does away with the need of any washboards, as the steam expansion loosening the dirt contained in the clothes, it is readily freed in the agitation which forms part of the cleansing operations. The Family Steam Laundry is, as the name indicates, a complete portable steam laundry for family use, including two tubs (holding about half a barrel each), a washer, and a boiler and steam chest (which are also used as bluing and rinsing tubs), agitators which do away entirely with washboards, a complete first-class adjustable three-burner gas or gasoline stove under the tubs, to wash, boil and steam the clothes, or swung out bodily (without being detached) from under the tubs, and available for ironing, and all kinds of cooking and heating purposes; an adjustable attachment for the wringer, which avoids all lifting or handling of the wringer; and a clothes tray—all combined. The machine is built to last. The tubs are of cypress wood, jointed in white lead, and bolted together with steel rods; the legs and braces of 1¼x¼-inch iron; the bottoms of heavy galvanized sheet steel, laid in asbestos dipped in white lead; the agitator pins and handles of white maple; with standard brass faucets, having a screw-thread for attaching hose; and improved gas or gasoline burners attached. It is claimed that the machinery is constructed of the best materials and fitted by skilled ma-



chinists. All the parts exposed to water heavily galvanized, and the whole put together by hand by first-class workmen, in a strong and durable manner. The manufacturers would be pleased to furnish upon request, any information desired, together with many testimonials from those who are familiar with its lasting advantages and undoubted benefits.

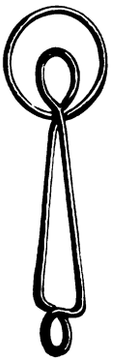
The Midget Trousers Guard

Among the numerous minor specialties called into being by the requirements of the bicycle rider, one that conduces materially to the riders' comfort is an acceptable device to keep the legs of his trousers properly guarded when wearing his ordinary every-day business suit. Miller & Van Winkle, No. 18 Bridge Street, Brooklyn, N. Y., have recently placed upon the market the "Midget Trousers Guard," which we illustrate herewith, and which seems to possess the requisite simplicity in construction and ease

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in adjustment to meet every possible requirement at a low cost; they are made of steel wire, highly tempered and neatly japanned. The Midget is designed to slip up under and over the folds of the trousers, holding them se-

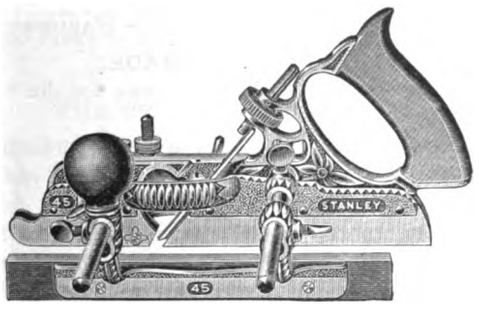


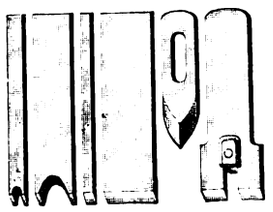


curely and with no possibility of slipping. They are of a small size that would permit of their being carried in the vest pocket without inconvenience when not in use, and are intended to be retailed at ten cents a pair.

Stanley's Adjustable Planes.

The reputation of the Stanley Rule & Level Co., New Britain, Conn., and No. 29 Chambers Street, New York, has become world-wide from the fact of their advanced position in the manufacture of superior specialties for the use of carpenters and woodworkers generally, their continued efforts being pledged to produce a grade of tools acceptable to skilled mechanics throughout the world. To the intelligent woodworker the changes from the old tools, so indispensable in the past, but now discarded, must seem almost limitless. To-day the tools formerly filling a tool chest are frequently embodied in the uses of a single tool. One of the tools of this character we illustrate below, which is made by the Stanley Rule & Level Co., and is known as their "Improved No. 45 Beading Rabbet Slitting and Matching Plane." This plane embraces in a compact and practical form: (1) Beading and Centre Beading Plane; (2) Rabbet and Filletser; (3) Dado; (4) Plow; (5) Matching Plane; and (6) a superior Slitting Plane. In each of its several forms this plane is designed to do perfect work, even in the hands of an ordinary mechanic—its simplicity of construction and adaptation of parts making it

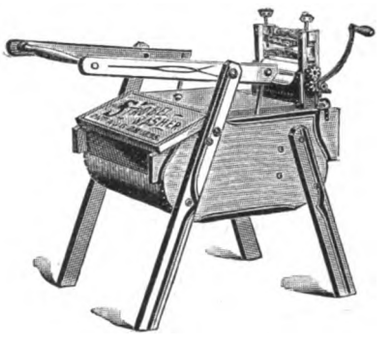




easily understood. Each plane is accompanied by seven Beading Tools and nine Plow and Dado Bits, a Slitting Tool and a Tonguing Tool. Combined, sent with this improved plane, is an additional plow and dado bit and a sash tool, making twenty available tools in the whole combination. The cutters are adjusted by a screw, and also the depth gauge has a screw adjustment; both of these features add greatly to the precision with which the plane can be worked. As illustrated, a removable rosewood face is attached to the fence. The plane is nickel-plated and is sent out already set up for working, packed singly in a neat wooden box.

The Strobel Washing Machine.

The Strobel Mfg. Co., Marion, Ohio, are introducing through the medium of the Hardware trade their principal specialty, the Strobel Washing Machine, which is claimed to be constructed on principles which place it in the fore front of these labor-saving appliances. The illustration of the Strobel Washing Machine is given herewith. The Hardware dealers throughout the country handling as they do so many articles that appeal to the advanced ideas of the up-to-date housekeeper, make natural agents for the sale of a washing machine possessing merit to recommend it. The drudgery surrounding the old-fashioned wash day will soon lose its terrors, when a machine that can do the work required more perfectly than it can possibly be done by hand, is successfully introduced. Among the other housekeeping specialties manufactured by this company, the Marion "Double Cog" Clothes Wringer makes a good second to the washing ma-



chine, and completes the outfit required. They also manufacture the "New Yankee" Mop Stick which, constructed under recent patents, is claimed to meet the requirements of the trade in all respects.

The Joseph Dixon Crucible Co. Pamphlets.

Among the many and various publications which in the shape of pamphlets the Joseph Dixon Crucible Co., Jersey City, N. J., and No. 62 Reade Street, New York, are favoring those in the trade who are interested in their productions, we have received recently one on "The Merits of Lead Paints Compared with Dixon's Silica-Graphite Paint," prepared by this company.

It will be found interesting reading for all those who are large dealers in the goods referred to, and will, no doubt, largely aid in stimulating a wider distribution of this graphite production for surface covering. The number of points given of its manifest economy and superiority, over other productions for the purposes indicated, being cogently and succinctly stated and convincing as to argument. These pamphlets are valuable contributions to trade literature and should be regularly read by intelligent dealers. We quoted largely in a recent issue from one on "The Making of Crucibles," which was from the pen of the vice-president and general manager of the company, Mr. John A. Walker; it was an entertaining, instructive and well written article; and the carefully printed manner in which these pamphlets reach the general reader, could well be imitated by other manufacturers in more ways than one.

E. T. Barnum, Detroit, Mich., the extensive manufacturer of iron and wire fencing, iron stairs, fire escapes, bank and office railings, stable fixtures, jail cells, and all other kinds of wire, iron and brass work, has ready for the fall trade a large line of flower pot stands. This firm has a great many new designs of these useful and ornamental articles, which they will supply to the trade promptly and at most reasonable prices.

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Review of the Markets.

The most noticeable feature having relation to conditions of trade, is that in every direction the merchants are elated with the belief that prosperity is at last within our reach In almost every section the most encouraging information is to be had, particularly in the great wheat and corn producing belt, where the crops are unusually large and prices bid fair to reach a record even higher than the present. Many travelers are preparing to start out and get the orders they are satisfied will this season be gladly given. The volume of business does not yet indicate in any decisive manner the increase so confidently looked for, but with many prices showing strong signs of stiffening up, with manufacturers less eager to accept orders on which the late prevailing quotations promise little profit, we may soon look for less hesitancy on the part of the well-posted buyer, and a more extensive movement in seasonable supplies will then be noted.

Wire Nails: As nearly all the mills have again resumed manufacturing, the stocks will soon be in shape for promptly filling orders, which it is anticipated will be large. At present no very surprising demand exists, the buyers are evidently in no fear of any immediate change in price. New York prices remain as previously quoted: Carload lots on dock, $1.40; smaller lots from store, $1.50 to $1.60 in accordance with quantity required.

Cut Nails: While an increasing enquiry is noted, no large transactions have resulted therefrom, the business being only moderate, with prices remaining as previously quoted. New York prices: Carload lots on dock, $1.30; smaller lots from store, $1.40.

German Hardware: On account of the advances made in the duties in the Dingley Tariff a general advance will be made on all such goods as are affected thereby. The following new and revised list on German chains has already been adopted under date of July 24:

HALTER CHAINS.

	4 0	3-0	2-0	0	1	2	3	4	5	6	7	8	
4½ ft....	$9.00	7.80	6.80	5 80	5 00	4 70	4.50	4.30		4.20			doz.
6 ft....	12.50	9 80	8.60	7.40	6.80	6 20	5.80	5.70		5.60			doz.

COIL CHAIN.

	6-0	5-0	4-0	3 0	2-0	0	1	2	3	4	5	6
Per 100 feet ..	$18.00	15.50	13.00	11.00	10.00	8.80	7 80	7.20	6.80	6.60	6.50	

MACHINE CHAIN.

	6-0	5-0	4-0	3-0	2-0	0	1	2	3	4	5
Per 100 feet ..	$21.00	18 00	15.00	14.00	13.00	12 50	12.00	11.50	11.00	10.80	10.80

This new list is subject to a discount on Coil and Halter chain of 60&10&5 per cent., and on Machine chain of 40 & 5 to 40&10 per cent.

Stubs Tapers: The new list on Stubs tapers made necessary by tariff changes is as follows:

2½	3	3½	4	4½	5	5½	6	8	inch.
$1.80	2.20	2.30	2.50	2.80	3.40	3.60	3.80	6.20	doz.

subject to a discount of 30 to 33⅓ per cent.

Linseed Oil: Under date of August 5, the Dean Linseed Oil Co. quote advanced prices as follows: In lots of less than 5 barrels, 34 cents per gallon; in lots of 5 barrels or more, 33 cents per gallon, Boiled linseed oil, 2 cents per gallon higher. Calcutta oil, 52 cents per gallon.

A BUSINESS MAN'S VIEW.

In place of our usual business letter from the Joseph Dixon Crucible Co., we are permitted to publish the following, from tne pen of the vice-president and treasurer of that company:

The temper of the American is to spend as he earns; the air, so to speak, prompts this temper. Having no self-recognized peasantry here, and the prevailing thought being that one man is as good as another, each spends to rival his neighbor. Thus, Americans are good spenders. They say "The Indian don't eat pork only when he can't get it," so the average American only stops spending when the supply runs dry.

For the past five years we have lived the lesson of an enforced economy. The wage earners have not had their full wages; the bondholder has not had his usual interest, and dividends have often failed.

Every day is reported a revival of industry. Wheels long idle begin to buzz. Success begets success. Hope is father to the fruition. Soon we will forget the seven years of famine and we will have seven years of plenty. We number now 70,000,000, with 26,000,000 wage earners. Every year a 1,500,000 is added to the population. Every year of these a new 500,000 are added to the wage earners; a new 1,500,000 of people each year, plus the present number, means 300,000 new houses for them to live in, clothing, and food for this new addition, over and above the last year's amount of food and clothing. So with such numbers, such increases and such demands, the buzz of industry in the land must soon rise above the wail of pessimistic despondency. JOHN A. WALKER.

THE ST. PAUL TRADE.

The reports that we are receiving from the territory tributary to this market, which embraces, substantially, the great wheat country of the Northwest, are that the prospects for a fine crop were never better than now. Harvesting will have commenced when this in print, and the golden sheaves which will soon be converted into golden coin, will be standing thick in the fields. With the price about 25 cents a bushel higher than it was a year ago, it means from $300 to $500 extra to every grower of 100 acres of wheat. Estimating the crop of Minnesota and the Dakotas at 100,000,000 bushels, it gives $25,000,000 to be distributed in these three States, in excess over last year.

The country merchants are looking forward to a very active business, and if their expectations are realized, it means corresponding activity for the jobber. What we want now, is to see some advances, even if slight, in manufactured articles, to correspond in some measure with the advance in farm products. At present no buyer seems to have any confidence in any prices that may be named, for his experience is that the next offer will be slightly less.

It is to be hoped that an active business will at least steady the market, and restore confidence in values. This is needed to fully realize anticipated prosperity.

Trade in haying and harvesting tools has been very large during the past season, and now fall and winter goods are beginning to move freely.

C. W. HACKETT HARDWARE CO.

THE CHICAGO TRADE.

There has been a most decided change for the better in our July business.

In fact, for several years we have not experienced such a marked revival in orders at this season of the year as we are enjoying at present.

Our travelers report splendid growing crops, fairly good prices for hay, grain, cattle and sheep; money more plentiful in the hands of consumers and retailers, and Hardware dealers decidedly in favor of keeping up their stocks in anticipation of a good fall trade.

Collections are good, and unless all signs fail, we shall be working nights on orders before this month is over.

WELLS & NELLEGAR CO.

THE DAVENPORT TRADE.

There is already a speculative demand for wire nails. Some buyers are anticipating their wants in barb wire. There are conservative dealers who believe steel goods will be higher next season. Stove boards have advanced fully seventy-five per cent. We are not aware of any changes in cost of material that would justify this sudden advance, and hope it is based upon higher wages being paid the operatives employed in their manufacture.

If good crops, propitious weather for harvesting, plenty of money in banks, higher prices for wheat, light stocks in hands of dealers, forecast improvement in trade, we can surely expect it in this neck of the woods. We think pros-

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perity is coming this way, and will be here as soon as the coal strike ends and the vacation season is over. If county fairs, political conventions and mass meetings could be induced to suspend business for a while, it might remain until Congress convenes again.

SICKELS, PRESTON & NUTTING CO.

THE BIRMINGHAM TRADE.

July has proven a good month for us, our sales being about fifteen per cent. advance over the same month of last year. Our crop prospects are fair, and the farmers feel encouraged, and we are encouraged to expect a good trade this fall and winter. It is true they have had to buy more corn than usual this season, but the demand will be less from this time on, being supplemented by fruit, green corn, etc.

The architects have more work than usual, and this increases the demand for builders' material. The building of the railroad across the State from Columbus, Miss., to Montgomery, Ala., is also giving employment to labor and improving the trade in contractors' supplies.

We are glad Congress has adjourned, but do not look for any permanent good from the Dingley-Jones bill.

MOORE & HANDLEY HARDWARE CO.

THE PITTSBURG TRADE.

Vacation time is nearing an end. Travelers are preparing for the road, and the prospect for business is much brighter than for a long time past. The condition of the country is certainly favorable; good crops and good prices for them, made by a good foreign demand; a tariff that secures the home market to our manufactures, and yet price of manufactures low enough to meet foreign competitors; capital in abundance for all legitimate enterprises, and confidence fully restored. What more can we ask?

Locally, we report great disturbance among the coal miners. The strike is for uniformity of wages. This seems to be almost an impossibility, as the conditions are so varied. Difference in thickness of vein, difference in location of mine, different State laws, etc., all have to be taken into consideration. A good strong market demand will solve the problem by giving work for all, and as this great industry has been unremunerative for several years to both capital and labor, we trust such a demand will soon set in, and make prices better for both.

LOGAN-GREGG HARDWARE CO.

THE PHILADELPHIA TRADE.

With the beginning of August most of the business world seems to be taking a brighter hue, and the feeling of hopefulness is not only becoming general, but has greatly strengthened within the last few days.

The settlement of the tariff question, the advance in the price of wheat, the large exports and the higher prices being paid to farmers for their produce, all tend to strengthen the faint hearted, and already some evidences are seen of returning business.

Nowhere is this more noticeable than in the stock market, where prices have already advanced generally, and values are firmly held.

In Hardware, while only a few advances can be recorded, still the general tone is one of certainty—the bottom appears to have been reached, and any changes which are made are likely to be in the direction of higher prices. Not that Hardwaremen are looking for a boom; on the contrary, there is a general wish expressed that this may not be the case, and what is wanted is a steady growth of prosperity, and we hope that the tide has now set in that direction.

As we have already said, very few changes in prices have occurred, although common carriage bolts, tire bolts, and stove bolts have all advanced, and other advances in prices of stable goods, which are confessedly below cost, may reasonably be expected.

Collections are fair, and those who have been long struggling against adverse circumstances and a depleted bank account, now hope that they have seen the end of their troubles.

Orders already show a better assortment of goods, and while merchants are still buying cautiously, they do not seem to be so much afraid of buying enough to cover their actual needs.

BIDDLE HARDWARE CO.

THE DENVER TRADE.

Under existing everyday business, there is very little that is of general interest to say in reference to local trade. We have referred to prospects of abundant crops a number of times, and these are realizing.

As to the future, we can only say that it looks more promising than at any time since 1893. Colorado is exceptionally conditioned in that her resources are so varied and extensive. Gold, silver, copper, stone, coal, all these are being mined extensively and profitably, and with an ever-increasing product. With irrigation the farmer does not depend on the weather, and is generally sure of his crops, enabling this State to supply the feeders of Kansas, Texas and other adjoining States. Fruit has become a giant interest, and with an immense yield and a market craving the quality which this locality alone seems able to supply, this interest was never more prosperous. With all these productive interests so actively engaged on a prosperous basis, we cannot predict for Colorado any other than a substantial and increased general trade during the remainder of this year at least.

GEORGE TRITCH HARDWARE CO.

Spokes, Handles, Etc., for the World.

Geo. S. Parkes & Co., Nashville, Tenn., with New York office at No. 64 Cortlandt Street, are now shipping large quantities of spokes, handles and carriage woodwork to all parts of the civilized world, and the exceedingly large number of orders that they are receiving, convinces them that the superior quality of their goods, as well as the low prices they are making, are being appreciated by the largest buyers.

It is a well-known fact that Tennessee is noted for its superior oak and hickory timber product. Their spokes comprise every variety in the American, English, Australian Patent and Shell Band Pattern, also Club Turned or Finished for wood hubs, in every size that can be made, and every spoke is warranted to be air-dried, and as perfect as good timber and experienced workmanship can make it. In handles they make all the patterns that are used in this and foreign countries, and guarantee the grading "to be the equal, if not superior, to any made." The carriage woodwork has the same care taken to secure the exact timber that is suited for making shafts, poles, oak and hickory rims, bows, cross bars and singletrees.

An Added Line.

The Smith & Egge Mfg. Co., Bridgeport, Conn., have acquired the right to manufacture the line of Burglar Proof Sash Supports and Bolts formerly made by the W. Haskell King Co., of New Haven, Conn. On September 1st, they will have goods ready for shipment to the trade, and will be pleased to hear from the customers of the old concern.

"Bridget," said her mistress, "have you broken another vahse?"

"Another which?" asked Bridget.

"Another vahse."

"No, mum," said Bridget. "Oi only smashed wan of thim chaney cooshpidoors on der mantel-pace, mum!"

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Called Home.

The many friends of Alfred D. Clinch, of the firm of Underhill, Clinch & Co., of New York, will deeply sympathize with him in the recent loss of his mother, Mrs. Sophia Clinch, widow of Frederick Clinch. At the ripe age of seventy seven years, she was called away while on a visit at the home of her daughter, Mrs. William P. Uhler, at Belmar, N. J. She was a direct descendent of the DeMilts, one of the oldest families of New York, with their home at Albany. She was for seventy years a resident of New York and a member of the Dutch Reformed Church of Harlem. She was married in 1840 and leaves six children, two of her sons being in business in this city—Edward S. Clinch, a lawyer, at No. 115 Broadway, and Alfred D. Clinch, who has for years been one of the leaders of the Hardware trade in New York, and a prominent official of the Hardware Club. Her life was full of good deeds, and her memory will live in the hearts of her friends and children.

The Axe and The Hatchet.

What is an axe?

The office boy says: "A thing to chop wood with."

This seems somewhat incomplete, as one can chop with a hatchet or a chopping-knife.

The "Century Dictionary," which spells it both "Ax" and "Axe," giving preference to the former, says of it: "An instrument used for hewing timber and chopping wood, also a weapon of offense. The modern ax consists of a head of iron, with an arching edge of steel, and a helve or handle. The edge is in the plane of the sweep of the tool, thus differing from the adz, in which the edge is at the right angles to the plane of the sweep. As a weapon, the ax was in very common use from the earliest times until the general adoption of firearms. t was used by the Egyptians. By the Greeks, it was looked upon as a weapon of their own ancestors and of the Asiatic nations and so figured in works of Greek art. The northern nations who overthew the Roman Empire used many varieties of this weapon, and its use prevailed throughout the middle ages in Europe. A light ax was common among the Arabs and Moors. Axes of various kinds of stone, or entirely of copper or bronze, are found among prehistoric and ancient remains, and in use by barbarous races."

Further definitions relating to the word are: "Ax, to shape or trim with an ax. Ax-head, the head or iron of an ax. An ax to grind (illustration to a story told by Franklin), some private purpose to subserve, or selfish end to attain. Bull-head axe, a pole-axe with a small hammer head at the back, used in slaughter-houses. Sacred ax, a name given by collectors of China porcelain to an emblem or mark supposed to resemble an ax, and found either above, or as following part of the decoration of certain pieces said to be assigned to warriors. To put the ax in the helve, to solve a doubt; find out a puzzle."

As a hatchet is a small axe (we adhere to the usual form of spelling), a little information concerning it also will not be out of place here. It is described as "A small ax with a short handle, designed to be used with one hand." A person is called "hatchet-faced," when he has a face with sharp and prominent features. To "dig up the hatchet," is to make war; to "bury the hatchet," is to make peace; phrases derived from the customs of the North American Indians.

W. F. Brainerd, formerly identified with the Franklin Brass & Bronze Co., and well known to the trade in this city, has been appointed as selling agent for the Brass Goods Mfg. Co., Broklyn, N. Y., and will see the trade in the interest of that extensive factory, soliciting orders for wrought brass and bronze goods including all kinds of builders' Hardware, cabinet Hardware, box trimmings, hinges, etc. Having been long and favorably known in connection with similar lines, he will no doubt find an abundant success attend his efforts. His office, when in the city, will be at No. 110 Chambers Street.

Steel rails were first used for railways at Chalk Farm, near London, 1862.—*Chattanooga Tradesman.*

Looking on the dark side beclouds one's chances of success —*Hardware and Metal Reporter.*

THE LARGEST FACTORY IN THE WORLD

SPOKES

EVERY SIZE AND PATTERN.

WRITE FOR PRICES & SAMPLES.

CARRIAGE WOOD WORK

Shafts, Poles, Oak and Hickory Rims, Bows, Single and Double Trees.

"CELEBRATED HICKORY."

SPECIAL PATTERNS FOR EXPORT, AND ALL KINDS OF

HANDLES

GEO. S. Parkes & Co. Nashville, Tenn.

Help Wanted.

WE have a position now open to a young man of 26 to 28 years of age. Must be capable of discounting and billing up goods, running cash books, and meeting store trade; with prospect of going on road. Will pay from $12 to $15 to start. Address A. P., care HARDWARE, No. 143 Chambers Street, New York City.

BOY wanted, about 15 years old; must have had experience in a retail Hardware store, be quick and bright; address by letter only, stating age, references, and salary to start. Address HARDWARE STORE, No. 2195½ Third Avenue, New York City.

Situation Wanted.

YOUNG man 30 years of age wants position in store or road. Nine years experience in Hardware, stoves and hot air furnaces. Can figure estimates from plans and specifications. Good bookkeeper. Fine penman. A No. 1 reference as to honesty, sobriety, etc. Address LOCK BOX 34, Jeannette, Pa.

The four great tunnels of the world are cited as an illus tration of the marked diminution of the cost of engineering works during the past quarter of a century. The Hoosac tunnel, the oldest of the four, cost $500 a foot; the Mount Cenis, the next in date, $475; the St. Gothard, $365, and the Ariberg, the most recent, only $200.—*Exchange.*

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The Use of Umbrellas.

The following interesting article on the care of umbrellas, is from the pen of Col. James H. Sprague, president of the Sprague Umbrella Co., Norwalk, Ohio:

The Ohio woman who used an umbrella to beat some sense into her husband's head may not have had a keen sense in regard to the abuse of umbrellas, but she had a distinct idea of a good way to use one. The great bane of the umbrella of to-day is continued close rolling. The innate desire of all classes of the American people to appear stylish makes work for the umbrella manufacturer and repairer. People buy cheap silk umbrellas and in their effort to make a close-roller out of a common article, wear the cloth out trying to roll it closely, and in a short time the umbrella shows the wear, and they are ready to return it to the merchant and swear it has not worn well. No umbrella should be rolled (closely or otherwise), unless it is absolutely necessary. Over 1,000,000 umbrellas are spoiled every year by close rolling. A fine silk will soon succumb to the tight grip of the amateur hand of the funny man who desires to show how closely he can roll his umbrella and how near like a shadow he can make it appear.

Rolling an umbrella is an art that few can attain. Not one merchant or clerk in a thousand can roll one so it will look as it did when it came from the factory, simply because he does not go at it in a proper way.

HOW TO ROLL AN UMBRELLA.

Seize the umbrella with the right hand by the tips or ends of the ribs, bringing them evenly around the shank (or handle), with the left hand straighten out all the folds, and see that none are left in a bunched or wrinkled shape. Then, with the left hand, commence at the top and bring the hand down on the folds, turning the umbrella with the right hand, keeping the tips or ends of the ribs distributed evenly around the stick. See that the folds roll evenly. Keep the left hand moving down gently toward the right past the tie or band. When the left hand meets the right, hold firmly with the left hand and button the tie with the right. If you desire a very close roll, hold it as before, and with the left hand straighten out the creases or folds, then roll down tightly until you get to the tie or band.

Then hold firmly with the left hand, unfasten the tie with the right hand, roll down past the tie, button the tie with the right hand. and if you are an expert you have a close roll on your umbrella. It will lay in neat folds and look as it does when it comes from the factory.

CAUSE OF HOLES IN UMBRELLAS.

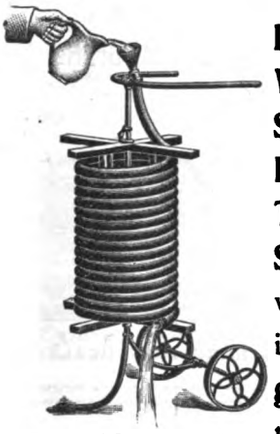
One of the fruitful causes of holes in the folds of an umbrella is improper care when it is wet. To roll up a wet umbrella is to invite the dyes to rot it, and one of the banes of the umbrella manufacturer is loaded dye on silk. Out of 100 samples of silk submitted to the writer, not over ten were pure dye, and 50 per cent. of the silk thread submitted was overloaded with dye and would not stand our chemical test. This is a fruitful cause of trouble in umbrellas, and our concern insists on all the silk and silk threads standing a chemical test in this respect. When over-dyed silks are wet and the umbrellas rolled and set away, we find the owners complaining that their umbrellas are cracking in the folds. Fine holes appear and they are apt to return the umbrella to the merchant and claim damage.

IMPOSING ON THE DEALERS.

Aside from kid gloves, there is no article sold in connection with which merchants are so imposed upon by their "best" customers as umbrellas This is a tender theme. The tempers of the wives of our best customers are not to be trifled with, when it comes to returning half-worn gloves or umbrellas. With a dignity not attained on any other hemisphere in the habitable globe, she sails into the store of the merchant, slams down the battered relic that has acted as play-house and tent for the children of the neighborhood and demands a new umbrella for the "miserable apology sold her only three months ago." She declares it has only been used three times and only with the greatest care. The merchant has to accept this as final, offers her the choice of his stock, and she sallies forth with the air of a conqueror, conscious that she has triumphed. Then he pockets his loss and wonders what the next imposition will be; and people wonder why so many retail merchants fail or commit suicide. If an umbrella is properly made, of good material, and decently used, it will wear for years.

WHO BUYS FINE UMBRELLAS?

The blue cotton umbrellas of our fathers were never rolled closely and, consequently, such lasted for a generation. They were used as sun and rain protectors. But a swifter element now dominates our destinies and the people do not propose that "the rich and vulgar" shall abrogate to themselves all the style. The dear, good, every-



Patented January 5, 1897. Others applied for.

IT EXPLAINS
Why it is
Superior to all other
Hose Reels. This
The Hartzell
Self-Draining Hose Reel
will carry more hose,
it will **drain, preserve** and
greatly increase
the **durability** of **Hose.**

It is a beautiful ornament for a lawn. It is convenient, light, strong. It will please your customers as it saves money. For prices and Sample Reels, address

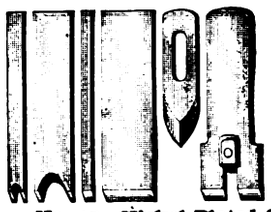
The Hartzell Novelty Works, (Sole owners and man'f'rs) ALLIANCE, OHIO.

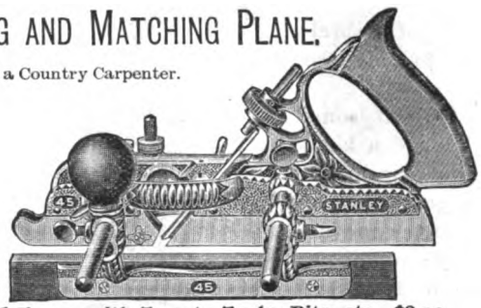
STUBS' TOOLS.
FRENCH FILES & RASPS.
S. J. ADDIS' LONDON CARVING TOOLS.

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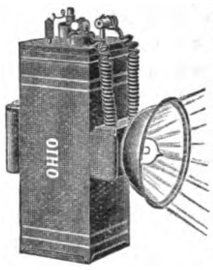
STANLEY'S ADJUSTABLE
BEADING, RABBET, SLITTING AND MATCHING PLANE.
"A Planing Mill within itself,"—says a Country Carpenter.





No. 45. Nickel Plated Stock and Fence, with Twenty Tools, Bits, etc., $8.00
SOLD BY ALL HARDWARE DEALERS.

WE UNDERSELL ALL.
It gives a Light that's White and Bright,
And two cents is the cost per night.



Bicycle Elec. Lights	$4.0
Necktie Elec. Lights	1.60
Edison Elec. Motors	1.00
Battery Fan Motors	5.00
$8 Medical Batteries	3 95
$100 Bicycles, best make	39.00
$1.25 Bicycle Bells	.50
Electric Bells, finest	.30
Dry Batteries, best	.25

Discount to Dealers.
Our Bicycle Electric Ligh is the best thing that ever happened. . . . .
Catalogues free.
OHIO ELECTRIC WORKS, CLEVELAND, O.

day people, their heirs and assigns, propose to be right in it in this Our America, and if any one has to take a back seat in style it won't be those who can't afford it. It is not the rich people who buy the fine umbrellas. altogether. The spirit of a progressive age has dressed the children of the tillers of the soil, the daughter of our washerwoman of a decade ago, in the latest fashion, and equipped them with the latest styles of parasols and umbrellas. 'Tis well that ancestry cuts no figure in free America. A man here is not to blame for his looks or relation. In a country where from shirtsleeves to shirtsleeves is hardly two generations, where fortunes come and go, where the washtub is the alpha and the landau the omega, we can afford to waste that others may save, and if people abuse umbrellas and toss them half worn to the junk dealer, we have the comforting assurance that it increases the umbrella and kindred industries, makes work for thousands of good people and cheerful homes for thousands who otherwise might have to crowd other industries. Let the good work go on

Lawyers make their money from fools and grit;
What the umbrella people make Ich weiss nicht.

Ames Sword Co.'s Bicycle Specialties.

The Ames Sword Co., Chicopee, Mass., is one of the oldest established manufacturing companies in the State of Massachusetts—having commenced business in 1828. For some time they have made the manufacturing of bicycle parts a prominent feature in their production.

Their bicycle fork sides have been on the market for the past five seasons, and in that time have been thoroughly tested. They, as stated by the manufacturers, are made from a fine grade of scabbard steel, with compressed or butted seams, polished all over, and rolled for hardening. They are large manufacturers of handle bars, which are made complete in their own shops from cold rolled scabbard steel, finely finished, copper plated and then nickel plated, furnished ready for the grips. T. and L. front and seat posts, and wood handle bar clips, having bronze clamps, are also among their largest productions. The clip is of the best bronze metal, and is cast directly on the stem; these handle bar clips cannot rust, are finely finished, and copper and nickel plated.

They solicit correspondence from bicycle manufacturers having reference to above specialties, and will furnish samples when requested.

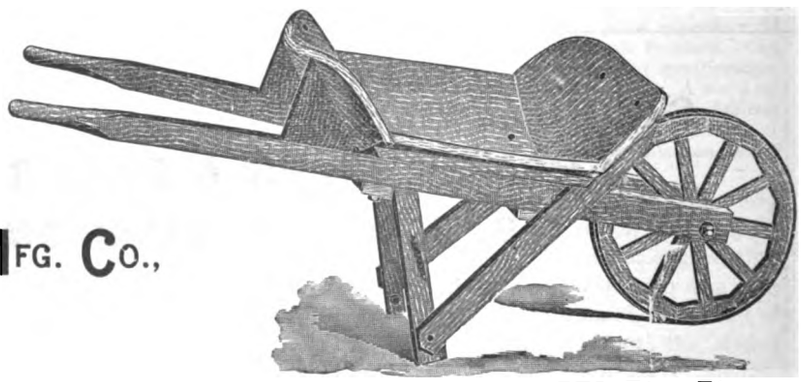
A Business Opening.

The Enterprise Mfg. Co., Akron, Ohio, have a building 100 by 100 feet, with warehouse connected by side tracks of the leading railroads in the rear, and electric line in the front of the building, at North St. Paul, a prosperous suburb of the city, which would make an elegant factory for some harness manufacturer or manufacturer of saddlery specialties. The factory is at present occupied only for storage by an adjoining factory. The owners will open correspondence with some one on a reasonable rent for a term of years, or would entertain a sale or exchange for property. They solicit correspondence in reference to this. This factory has been used for some years as a sweat pad factory, and with the increased capacity of their line of goods at Akron, the company were obliged to take their attention from the Western branch.

It is said that the first nails were, without doubt, the sharp teeth of different animals. These in turn were followed by pieces of flint, pointed, so it is believed. Bronze was the first metal from which nails were manufactured. The nail with which Jael killed Sisera was a wooden tent pin, which was likely pointed with iron.—*Chattanooga Tradesman.*

"SCIOTO" for R. R. or Canal Work.

A thoroughly first class bolted barrow. Full sized Tray. Well planed, cleated, braced and bolted. Legs and cross pieces gained. Knocks down for shipping and is easily set up.



THE KILBOURNE & JACOBS MFG. CO.,
COLUMBUS, OHIO.
Producers of BARROWS, SCRAPERS, ROAD MAKING MACHINERY, STEEL SHAPES, Etc., Etc.

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OILERS

25c. **10c.**



Highest Grade Oiler.
DOES NOT LEAK.
Regulates supply of oil.
A little higher in price but,—



The Best
Medium Grade Oiler.
Made in best manner possible.
Second to none but the "Perfect."

CUSHMAN & DENISON, Mfrs., 172 9th Ave., N. Y.

Seymour Cutlery Co., ESTABLISHED 1889.
—SUCCESSORS TO—
HENRY SEYMOUR CUTLERY CO.,
Office and Factory, Holyoke, Mass., U. S. A.

Seymour Shears ARE THE STANDARD.



- Every pair is fully warranted and if found imperfect from any cause will be replaced with perfect shears.

No commission house is sole agent for the SEYMOUR SHEARS.

- Notice our imprint on every paper pocket inclosing shears.
- Write for Catalogue and prices.

Antiquity of the Steel Square.

The author of "The Steel Square and Its Uses" speaks of the antiquity of that useful tool as follows:

"Pliny says that Theodorus, a Greek of Samos, invented the square and level, but this cannot be, for the square figures were in the represented designs of the Tower of Babel, one of the earliest known structures. The city of Babylon was a perfect square, and the bricks used in its buildings and walls were square; so probably were those in Babel. Now, to form squares correctly, and to introduce them in endless combination into buildings, it needed a guiding instrument of some kind. So the square, as a constructive tool came into use. Among the ruins of Babylon, Nineveh and Petra it is said to have been represented. There are pictures and sculptures from the ruins of Thebes in Egypt showing the square in the hands of the artisan. Evidences of its use are also to be seen in ruins in India, which are thought by some to antedate those found in Egypt. Among the ruins of the Aztecs, or the people before them, in Peru and Brazil, it has also been found; and though tools of stone and flint, such as axes, hatchets, hammers, etc., were the first used by primitive man in these ruins that date back beyond history, the square is found, and specimens may be seen in the British Museum. The square was regarded by the ancients as a symbol of completeness. Simonides speaks of a man square as to his hands, feet and his mind, etc. Aristotle uses a similar expression." It now transpires says the *Scientific American*, that the square was known and used by the ancient Babylonians, as far back as 9000 years before Christ, if we are to place any confidence in the recent discoveries made at Nippur by Americans who are making excavations at that ancient city.

Jinks: "Have you selected a trade or a profession for your boy?"

Winks: "I shall make a plumber of him."

"Has he a bent that way?"

"He's born for it. Tell him to do a thing immediately and he won't think of it again for a week."—*Eagle.*

HIGH PRESSURES

Owing to its close, even texture and great flexibility rubber makes an admirable joint packing. But rubber alone has neither the strength nor heat-resistance requisite for gasket service under high steam pressures. For such work other materials must be added, which, while preserving the smoothness and flexibility, give extreme strength and heat-resistance. The materials in Ruby Packing are selected and compounded expressly for high pressure service, and make a tight and lasting joint on single, double or triple expansion plants. **Here is one practical man's experience: "I enclose sample of your Ruby Sheet Packing which has been in a flange joint on boiler, subjected to high steam pressure for one year. You will observe that it is yet pliable and in a good state of preservation.** It gives me pleasure to assure you that I have found your Ruby the most satisfactory sheet packing that I have used." ARTHUR RENDELL, Steam-fitter for Dexter Sulphite Pulp & Paper Co., Dexter, N. Y., June 22, 1897.

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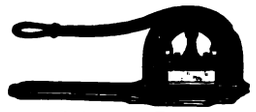
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Measuring Faucet.

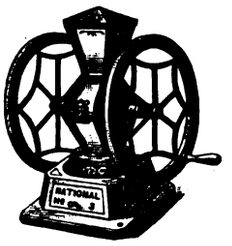

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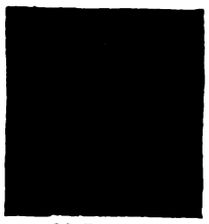
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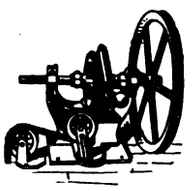
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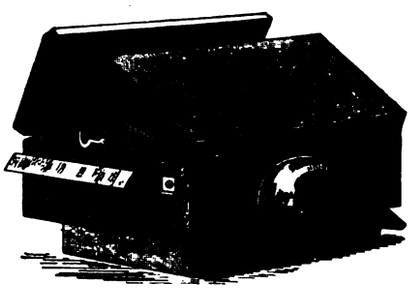
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Our motto: "Keep a-goin'."
Especial attention invited to

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It is the Strongest Umbrella on the globe.
Write to us, and let us prove it.

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WILL LAST A LIFETIME.

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SOLE NEW ENGLAND AGENT,
146 Franklin St., Boston, Mass.

Best Class Trade From Hardware Line.

Sager Mfg. Co., Rochester, N. Y. [*Bicycle Saddles and Specialties*]: We have received a large proportion of the best class of trade from the Hardware line. We always regard it advisable to dispose of our goods wherever we can do so to advantage. We see no reason why the Hardware trade should be excepted. . . . . .

IS A GOOD ONE.

Morgan & Wright, Chicago, Ill. [*Bicycle Tires*]: There can be no question about the advisability of using the Hardware trade as a means of disposing of bicycles and bicycle parts, and as to the efficiency of HARDWARE, we can only say what we would say in reply to an inquiry from any other publisher, i. e., we have no direct means of knowing whether our "ads" do us good or not. If we insert an "ad," it is on our judgment that the publication is a good one.

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"ONE OF THE BEST MEDIUMS."

Lane Bros., Poughkeepsie, N.Y. [*Hardware Specialties*]: One thing we know—we get the trade, and have good reason to believe that HARDWARE has in the past been one of the best mediums for our large trade and the popularity of the Lane goods.

"NEARLY FROM THE BEGINNING."

Samson Cordage Works, Boston, Mass. [*Cordage*]: We have had our advertisement with you nearly from the beginning, and we know no reason why we should not continue it.

"WOULD NOT BE WITHOUT IT."

H. M. Seitzinger, Wilkesbarre, Pa.: Enclosed please find my check for $1 for renewal of subscription to HARDWARE. I would not be without your paper nor should any one handling electrical supplies.

"JUST WHAT HAS BEEN WANTED."

W. P. Walter's Son, Philadelphia, Pa: Enclosed please find $1 for renewal to HARDWARE. We think your paper is just what has been wanted for a long time for the retail Hardware trade.

"WELL PLEASED WITH 'HARDWARE.'"

W. W. Johnston, Bartlett, Ohio: Enclosed find $1 to pay my subscription to your journal. I am well pleased with the paper, and think it would pay all dealers in Hardware to take it.

"LIKES IT."

A. D. Matthews, Liberty, Me.: Enclosed find check for $1 to pay for HARDWARE for another year. The paper I like much.

"WELL WORTH THE MONEY."

A. A. Case, Pittsford, Mich.: Enclosed please find $1 to pay for my subscription to your paper. I think it well worth the money.

"ALL WANT TO READ IT."

H. E. Iseman, Prattsville, Mich.: The boys all want to read HARDWARE as soon as it reaches us, and are delighted with it.

"WHAT EVERY MAN WANTS."

C. A. Fisk, Helena, Mont.: HARDWARE is what every man wants, who hopes to gain success in the Hardware business.

"THE BEST OF ALL PAPERS."

S. I. King, Brighton, Mich.: I received a specimen copy of your paper dated October 10th, and I like it best of all the papers I have ever seen, devoted to the retail trade. Enclosed find $1 for which send me HARDWARE one year.

"A DOLLAR WELL INVESTED."

John T. Merimee, St. Mary's, Ky.: Enclosed please find $1 in payment for another year's subscription to your valuable paper—a dollar well invested, I believe, for it keeps me posted.

"CANNOT FAIL TO HELP OUR BUSINESS."

J. C. Tanger & Co., Hanover, Pa: Please find $1 enlosed for one year's subscription. After examining a specimen copy, we think it one of the best, and that it cannot fail to help us in our business.

"WOULD NOT BE WITHOUT IT."

H. D. Wyman, Mt. Dora, Fla.: You will please find enclosed check for one year's subscription to HARDWARE. I think a great deal of your paper, and would not be without it.

"NO JOURNAL ITS EQUAL."

Hendricks & Stall, Thayer, Kan.: While we are doing business a great number of miles from New York, we know of no journal that we consider the equal of your paper.

"PRIZED IT VERY HIGHLY."

A. J. Pellum, Ranger, Texas: Enclosed find money order for $1. Please credit my account with the same. I prize your paper very highly and cannot afford to be without it.

"USEFUL AS AN ADVERTISING MEDIUM."

Smith & Egge Mfg. Co., Bridgeport, Conn. [*Traps, Locks, Chains, Pulleys, etc.*]: We have found your paper very useful as an advertising medium.

"THE BEST WE HAVE SEEN."

Massey & Thompson, Monroe City, Mo.: Place our name on your subscription list. Your paper is the best thing we have seen in that line.

"CANNOT GET ALONG WITHOUT IT."

T. C. Lamson, Elizabethtown, N. Y.: Please find enclosed $1 for HARDWARE for one year. Can't get along without it.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Aurora, Ill.—J. Allison.

Benson, N. C.—The Dunn Hardware & Furniture Co.

Bozeman, Mont.—Felenzer & Rodgers.

Dayton, Ohio.—The Patterson Tool & Supply Co.

Harvey, N. D.—Deering & Smith Bros.

Hopedale, Ill.—I. Kennel.

Jersey City, N. J.—The Lyon Dickey Co.

Knoxville, Tenn.—Woodruff Hardware Co. has been incorporated, succeeding W. W. Woodruff & Co.

Le Sieur Centre, Minn.—I. H. Bassout.

Montreal, Can.—Howden, Starke & Co.

Nez Pierce, Idaho.—Peter Henderson.

Norfolk, Va.—The White Hardware Co.

Paris, Tex.—W. F. Allen Hardware Co.

Salisbury, N. C.—W. Smithdeal.

San Erancisco, Cal.—Henshaw, Bulkeley & Co.

Sisseton, N. D.—Hill & Jenkins.

Troy, Ala.—Searight Hardware & Furniture Co.

Wauseon, Ohio.—I. B. Rychner.

Changes and Removals.

Ansonia, Conn.—W. B. Blackman & Co. are reported as having dissolved partnership.

Apton, Wash.—Call Bros., have been succeeded by A. V. Call.

Athens, Ga.—T. S. Methnen's Hardware business has been sold to Bondurant & Co. of this city.

Bethany, Mo.—Cole & Hamilton have been succeeded by J. P. Hamilton.

Curley, Ala.—H. W. Branum intends erecting a new business block a portion of which will be occupied by his Hardware store.

Ellenville, N. Y.—F. Grobgeld, who has been running a Hardware store at Napanock, N. Y., has rented the armory on Market Street and will move his goods there as soon as the room can be fitted up for occupancy.

Farnhamville, Ia.—Rice Bros. & Nixon have dissolved, and are succeeded by George Coates & Son.

Graceville, Minn.—M. D. Hartnett is improving the building on Main Street, into which he will shortly remove his stock.

Harland, Me.—C. H. Smith has purchased the Hardware business of Ed. Latty.

La Fayette, Ind.—C. W. Warrenburg Co. has sold out business to Mertz & Newman.

Le Grand, Ia.—E. Butter's Hardware stock has been purchased by George Hines and his son W. C. Hines.

Leonore, Ill.—J. L. Frangenberg's Hardware stock has been purchased by William Jaegley and he will continue the business at the old stand.

Logansport, Ind.—John F. Johnson's Hardware stock has been sold to George H. Prescott of Terre Haute, Ind.

Lynchburg, Va.—Barker-Jennings Hardware Co. succeed to the business formerly carried on by the Bell, Barker & Jennings Hardware Co.

Manchester, Ia.—Huntington & Adams have dissolved partnership.

Marshalltown, Ia.—Heinz & Hanson have moved into the building recently erected by them for their business, and intend adding greatly to their present stock.

Miles City, Minn.—Miles, Strevell & Ulmer, have dissolved partnership.

Mobile, Ala.—Boyd-Williams Hardware Co., have dissolved partnership, and the business will be continued by David C. Williams.

Monon, Ind.—Brown & Henkle have dissolved partnership. The business will be continued by Mr. Henkle.

Monticello, Ill.—Harris & Ridgely have dissolved; W. S. Ridgely retiring.

Newport, Me.—J. E. Hiscock of Sangerville, has bought the stock of E. B. Harvey.

Northampton, Mass.—The dissolution of partnership of the firm of S. W. & A. B. Lee, plumbers and Hardware merchants, is announced, and marks an important change in the business circle of Northampton. The senior member of the firm retires and the business will in the future be conducted by his son A. B. Lee, who is a practical plumber, and thoroughly understands his business.

Oskaloosa, Ia.—Terrill & McClure have been succeeded by A. A. Hamilton.

Philadelphia, Pa.—Eugene Belson & Co., stoves, etc., advertised to be sold.

Sac City, Iowa.—Graff & Lane succeeded by Chas. D. Goldsmith.

Sault Ste Marie, Mich.—P. M. Church & Co. have sold out their Hardware business to the Ferguson Hardware business.

Sergeantville, N. J.—Asher B. Williamson, has sold out his Hardware business to J. F. Shepherd & Son.

Sisseton, S. D.—Benson & Olson, have sold out.

St. Thomas, N. D.—Wm. McBride has been succeeded by Childerhase & Gibson.

Sumner, Mo.—R. J. Questa, Hardware sold out and moved to Nebraska.

Terre Haute, Ind.—Edgar Dick has purchased the stock of Hardware of M. C. Stroles at Seventh Street and Lafayette Avenue. He will move it to his down-town store.

Winona, Minn.—The Winona Hardware Co. intend closing out their business.

Business Embarrassments.

Bath, Me.—Swanton, Jameson & Co., dealers in Hardware and ship chandlery goods, of this city, have made an assignment to C. E. Patten of the Lincoln National Bank, C. H. McClellan of the firm of J. H. Allen & Co., and W. D. Sewall of the firm of Arthur Sewall & Co. No statement of condition of the business is made, and a meeting of creditors will be called as soon as a definite announcement can be made.

Chicago, Ill.—August Heuer & Son have made an assignment to Charles V. Wohlhuter. Liabilities, $60,000; assets, $35,000. The firm was one of the oldest in the city in the line of cabinet Hardware, having been established thirty years ago.

Hoyts Corners, N. Y.—Charles E. Harris & Son have been closed by the sheriff.

Hume, Ill.—McCaull & Co. have made an assignment to O. H. Rogers. Liabilities $2114 with assets of about $1600.

Lebanon, Pa.—John H. Bressler has made an assignment to Thomas W. Miller and Charles O. Bressler. Liabilities, $30,000; assets about the same.

Louisville, Ky.—The schedule of W. H. Fisher, the Hardware merchant at No. 120 West Market Street, who assigned recently, has been filed. The assets noted are as follows: Stock of Hardware at No. 120 West Market Street, $5000; teams, wagons, etc., $400; fixtures, $500; house and lot in Clifton, $3500; accounts and notes receivable and considered worthless, $661.09; those considered good, $1500. The total assets, $10,900. The liabilities are estimated at $12,299 13.

Springfield, Mass.—W. E. Penniman & Co. have assigned. Assets and liabilities about the same.

West Grove, Pa.—John M. Remsen, stock in the hands of the sheriff.

Recent Burglaries.

Coshocton, Ohio —Benjamin Coe, loss $50.

Hazleton, Pa.—John H. Barnard, loss $200.

Holland, Mich.—Kamter Bros., loss $100.

Jersey City, N. J.—L. P. Hausen, loss $100.

Maysville, Tenn. — Library Hardware store, loss $130.

Parkston, S. D.—Fullerton Lumber Co., loss $50.

Round Rock, Tex.—J. A. Nelson & Co., loss $200.

Sanger, Tex.—G. W. Wilson & Co, loss $100.

Sioux City, Ia.—L. Anderson, loss $50.

Sloan, Ia.—J. W. Murphy, loss $100.

St. Joseph, Mo.—Batcheller & Hees, loss $25

Uniontown, Pa.—Carothers & Colvin, loss $100.

Recent Fires.

Dowes, Ia.—G. Hogen, Hardware and implements, entirely destroyed. Insurance on building and stock $19,000.

Hoboken, N. J.—Ignatz Rusmak, damage, $300.

Keyport, N. J.—T. H. Roberts & Co., damage $15,000.

Leominster, Mass.—Smith Bros., damage, $1000; fully insured.

Lindsey, Ohio.—O. Overmeyer, damage, $6000; insurance, $4500.

Sylvan Grove, Kans.—Knapp's Hardware store, total loss.

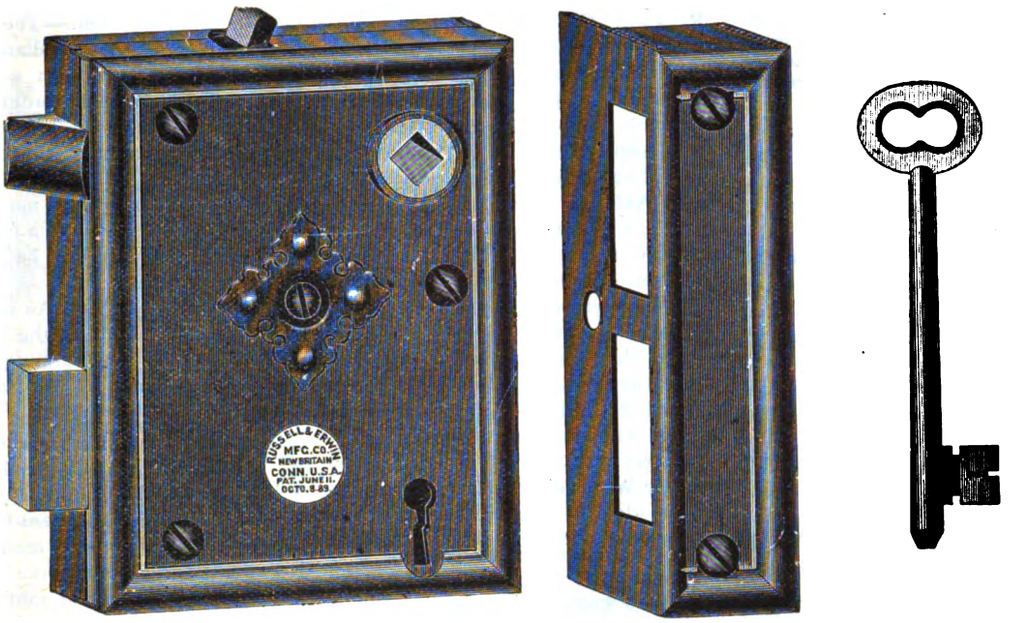
Terre Haute, Ind.—Finkbiner & Duenweg, damage, $5000.

Windsor, Can.—Neueux, Clinton & Baxter, damage, $25,000.

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WROUGHT STEEL LOCKS.

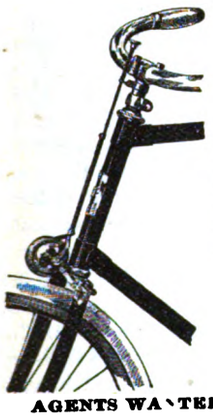
They Excel in Lightness and Strength, Beauty of Design and Novelty of Finish. . . .



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WAS THE
OSTERMAN BICYCLE BELL.

Rings loud and clear like an electric bell.
The faster the speed the sharper the alarm.
Rings on the slightest pressure of the button.
Needs no care.
Never wears out.
Quickly adjusted to any wheel.
Strong, Simple.

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WEST TROY, N. Y.
Derby Snap,
With Plated, Rust Proof and Guarded Spring. . . .
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For sale by Jobbers at Manfrs. prices.

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Manufacturers of the **BEST FILES AND RASPS IN THE MARKET.**

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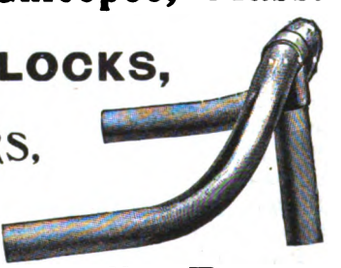
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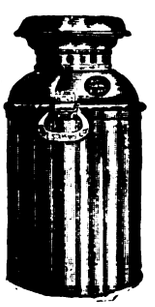
PERFECTION PADLOCKS,
All Sizes, ½ inch to 2½ inches.

PROTECTOR REVOLVERS,
THE GREATEST NOVELTY OF THE AGE.



Compressed Seam Fork Sides and Handle Bars.

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NEW YORK PATTERN

Buhl Factory AND R. R. Milk Cans
WILL OUTLAST ALL OTHERS.
Made of Steel, Perfectly Fitted, Annealed and Tinned. Have the "Victor" Can Breast. Made in all patterns and sizes.
Every piece of "Buhl" Stock is stamped with the Milk Can Trade Mark. Write for Booklet.

BUHL STAMPING CO.,
DETROIT, MICH.



CHICAGO PATTERN

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Hammond, Ind.—Arrangements are being made to organize a local stock company to manufacture heating stoves after the J. H. Clare patent. Capital stock, $30,000.

Newburgh, N. Y.—The Palatine Wire Co. has been incorporated for the purpose of conducting the wire business lately carried on by the Newburgh Wire & Nail Co. It has leased from that company the mill known as the wire mill, only for a period of one year, with a privilege of renewal. The design of the company is to especially manufacture nails, barb wire, hay bands, etc. At a meeting of the new company held recently, the officers were elected as follows: President and Treasurer, Thomas J. Farrell of New York; Secretary, Allan Fraser of New York. These two gentlemen were present at the meeting, as was also Mr. McClung and Thomas W. Fitch, the last mentioned being a resident of Pittsburg, Pa. Mr. Fitch is a son-in-law of the late General William T. Sherman. He may be the manager for the new company.

New York, N. Y.—George Lane & Son of New York City, to manufacture Hardware; capital, $10,000. Directors, George Lane of City Island, George Lane, Jr., of Freeport, and Carrie A. Haurer of New York City.

New York, N. Y.—Union Harrow Co. has been incorporated by Charles La Dow, John M. Gardner and M. Sexton Northrup; to manufacture harrows and cultivators. Capital stock, $110,000.

Oneida, N. Y.—Schubert Bros. Co. has been incorporated by George Schubert, August Schubert and Emma B. Christina; to manufacture wagons, Hardware, etc. Capital stock, $17,000.

Philadelphia, Pa.—A company, which will be known as Fayette R. Plumb, Incorporated, of Philadelphia, has been organized to manufacture edge tools and tools for railroad and mining purposes. The capital stock is $350,000, which includes a plant of F. R. Plumb, valued at $315,000. The directors are F. R. Plumb, president; Samuel Disston, John W. Grange, Charles E. Grange and Walter T. Bradley.

Piqua, Ohio.—The Favorite Stove & Range Co., a foreign corporation, organized under the laws of West Virginia, with principal office located at Piqua, Ohio, complied with both acts relating to foreign corporations, capital stock, $250,000, all of which is represented by property owned and business done in Ohio; agent upon whom process may be served, X. E. W. Lape, Piqua, Ohio.

Portland, Me. — The Somerset Blind-Opener Co. has been incorporated for the purpose of manufacturing and selling blind and door fasteners, with capital stock of $30,000. The officers are: President, Morrill N. Drew of Portland; Treasurer, W. M. Priest of Braintree, Mass.

Rockport, Ohio.—The Norton Tool Co. has been incorporated by G. S. DuPeron, H. Dixon, W. T. Norton and others; to manufacture and deal in machinery, tools and Hardware. Capital stock, $50,000.

St. Joseph, Mo.—The old nail mills property will be utilized at once, the St. Joseph Bar & Axle Co. being now ready to begin operations. Sixty-five men will be employed at the start, nearly all of them skilled workmen. St. Joseph is a good nail market, the grocery and Hardware houses handling large quantities of them, and it is thought that through them alone a large part of the product of this factory can be disposed of. All kinds of bar and commercial iron will also be turned out.

Youngstown, Ohio.—The Ideal Stove & Foundry Works are building a large plant in Daleville, for the manufacture of stoves.

Improved Conditions.

Bloomington, Ill.—The Cooperative Stove Co., one of Bloomington's substantial institutions, is to resume work shortly, after a shut down of two months. There is a good prospect for work ahead.

Cleveland, Ohio.—A deal has been consummated in Cleveland, Ohio, which involves $1,000,000 and the transfer of one of Cleveland's leading manufacturing plants to a French syndicate. The plant is the Cleveland Machine Screw Co. It is to be sold at a figure between $950,000 and $1,000,000, and the first instalment, amounting to $50,000, was paid through the Cleveland Trust Co. Officers of the company say that the last year has been the most profitable period of production in the history of the plant, and that the indications for the next six months are for an immense increase in the output, giving the impression that the sale is not a forced one on account of business depression.

Duluth, Minn —Charles Roether, proprietor of the Twin City Willow Reed & Rattan Works of St. Paul, is thinking seriously of locating in this city, and the Chamber of Commerce is lending him all the encouragement that is possible. He is favorably disposed toward Duluth because all of the material that is used by him in his business comes from the East and he would have the full benefit of the low lake rates. Mr. Roether manufactures all kinds of willow work, including chairs, baby carriages, baskets, etc.

Eldred, Pa.—The Eldred Cutlery Co. has begun operations and expects to run steadily throughout the year. A number of families have arrived here, who will be employed in the works.

Indianapolis, Ind. — The Indianapolis Stove Co. is getting things in shape to move into the Indianapolis Cabinet Co. buildings. The stove company recently purchased the old plant, but it will be sixty days before everything will be in good running order. When started the plant will give employment to more men than ever before.

Indianapolis, Ind.—The Udell Woodenware Works, North Indianapolis, will start up again at once with a full force. Mr. Barnes says that the orders are coming in faster than he expected and indicate that prosperity is coming at last.

Mansfield, Ohio. — The Baxter Stove Works, employing 125 men, have resumed work on full time, with a full force of men; the first time the works had run full time for over a year.

Wheeling, W. Va.—An addition of 46x60 feet is being built at the Wheeling Hinge factory. The new building will be used as a storage room. H. W. Fair has the contract.

Recent Embarrassments.

Alliance, Ohio.—Charles Frederick, superintendent of the Columbiana Pump Co. has filed a deed of assignment to W. S. Potts of Lisbon. The property assigned consists of two lots and parts of three lots and personal property. Assets and liabilities not stated. The immediate cause of the assignment was the fact that Aaron Esterly, receiver of the Esterly bank, Columbiana, had taken judgment note against the company for $13,830.36.

Bellaire, Ohio.—The Bellaire Edge Tool Co. of this city has assigned to George B. Moore, attorney. This plant manufactured edge tools direct from pig iron by a process of their own.

Binghampton, N. Y.—O. U. Kellogg of Cortland, appeared before Supreme Court Justice George F. Lyon recently and made application for the appointment of a receiver for the Howe Ventilating Stove Co. of Cortland. William H. Clark, who was appointed temporary receiver, is president of the company and editor of the *Cortland Standard*. The liabilities of the firm are $75,000; the nominal assets are $50,000.

Rockford, Ill.—A bill has been filed in the Circuit Court asking for the appointment of a receiver for the Columbia Horse Nail Co. of New Milford, to wind up the affairs of the concern. It was organized in 1892, with a large number of Rockford people as stockholders. It has no money on deposit and no debts. It is the owner of valuable patents and machinery on which there is no incumbrance.

Terre Haute, Ind.—The creditors of the Sanford Fork & Tool Co., which went into the hands of a receiver a number of years ago, have been paid dividends of four and forty-six hundredths per cent. on their claims. This is the second distribution of a similar dividend and will wind up the matter. When the tool works failed there were several claims preferred by the directors who had advanced their own funds and executed to themselves a mortgage. After long years of litigation this mortgage was set aside and they will receive the same probate share of the proceeds as the other creditors. The company was organized years ago by a new company the Terre Haute Shovel & Tool Co., which bought the plant of the receiver.

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THE BANNER

Is the Cycle Lamp for '97.

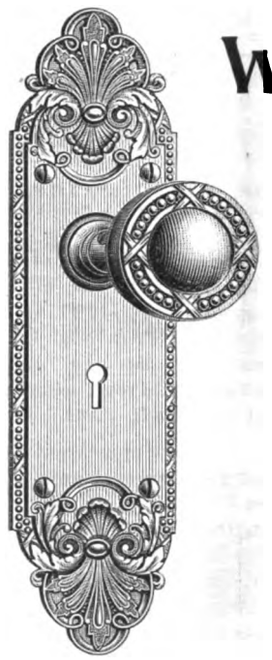
None as handsome, as practical, nor as thoroughly and honestly made. Throws a powerful, broad light, having a **3-inch optical ground double convex lens.** No lamp so easily cleaned. Has removable top burner and reflector, removable and **reversible oil pot.** The only lamp made with a positive wick-locking device—it acts on the ratchet. Your dealer should have them; until he has will send, carriage paid, for **$3.00,** to any part of the United States.



Rigid Bracket, adjustable to either Post or Fork; Ball and Socket Joint, 50c. extra.
Absolutely Wind Proof.
Will not Jolt Out.
No Solder to Melt.
Fills on Outside Oil Fount.
Solid Brass, Heavily Nickeled.
Burns Kerosene in Packed Fount.
No Splashing.
Handsome Side Lights.

5½ INCHES HIGH.

New York. Boston. Chicago. **PLUME & ATWOOD MFG. CO.**
FACTORIES: Waterbury and Thomaston, Conn.



V Design.

Wear and Tear

must be considered in the locks used in a building. The famous Sargent Easy Spring reduces friction and so reduces the wear and tear, prolonging the life of the lock for many years, and, as one architect said, gives it an action as "gentle as a whisper." "Our Little Red Book" is worth reading.

Sargent & Company,
Makers of Fine Locks and Artistic Hardware,
New York; and New Haven, Conn.



EAGLE

Bicycle Pump



MADE WELL!
SELLS WELL!
WEARS WELL!

Fills Tires Quicker
Than Any Other Pump.

Connecting nipples all accurately threaded, and will fit all the well-known tires.

Write for Trade Prices
Special Inducements to the Jobbing Trade.

Henry Haas & Son,
551-553 West 35th St., NEW YORK.



A Great Seller!

At a Good Profit.

Pike's Quick Edge Pocket Knife Hones, in display box, a practical sharpener for knives and scissors.

Send for Prices.

Scythe Stones, Oil Stones, Razor Hones, Etc.

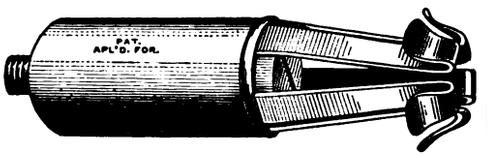
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JOB LOTS OF HARDWARE

I buy and sell in any quantity complete lines of **HARDWARE. MANUFACTURERS** having **JOB LOTS** will find me a ready purchaser. **RETAIL DEALERS** will find my prices lower than any house in the business. . . .

A. N. JACOB, 491-493 Broadway, NEW YORK.

FITS ANY GAUGE.



Price, 75 cents.

THE
Favorite Gun Cleaner

Removes thoroughly all deposit from gun barrels without injury.

SEND FOR SAMPLE.

The Bridgeport Gun Implement Co., *313-315 Broadway, New York City.*

Hastings & De Baun,

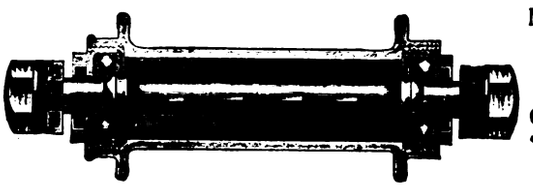
HARDWARE MANUFACTURERS' AGENTS,
124 Chambers St., New York.

NEW YORK OFFICE OF
THE PHOENIX HARDWARE MFG. CO.
MASON & PARKER. J. B. TATEM & SON.
THE BARNES TOOL CO. E. LOUD MFG. CO.

GEO. F. TAYLOR'S SONS,

80 Pine Street, New York.
FERTILIZER CHEMICALS and MATERIALS;
ALSO
BONE BLACK
For Tempering, Coloring and Filtering Purposes.

SIMPLE SOLID SENSIBLE TIGER Bicycles.



No Castings! No Freaks!
No Nonsense!
THREE GRADES,
$100, $75, $60.
Send for Art Catalogue M.

STODDARD MFG. CO., Dayton, Ohio.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Asbury Park, N. J.—The Great Scott Paper Co., Limited, of Philadelphia, also bicycle manufacturers, have opened a branch store at the junction of Cookman and Asbury Avenues, where all the high grade wheels may be rented by the hour, day or week. Mr. C. W. Wood of Philadelphia, who understands the business thoroughly, has been placed in charge and anyone wishing to purchase or rent a wheel will receive courteous attention.

Cincinnati, Ohio.—The Cincinnati Metallic Mfg. Co., Massachusetts Avenue and Straight Street, make a specialty of bicycle frames in quantities, and would be pleased to hear from manufacturers of connections and tubing.

Indianapolis, Ind.—The Collins Mfg. Co. has been incorporated. Capital $30,000. The incorporators are C. W. Merrill, John J. Curtis, W. C. Bobbs, James Hooker and S. W. Collins. The company will manufacture bicycles and bicycle devices.

Jersey City, N. J.—Champion Bicycle Hanger Co. has been incorporated with a paid up capital stock of $10,000. The incorporators are K. K. Stearns, Jersey City; Charles S. Cowan and Benjamin Blum, New York.

Meriden, Conn.—Meriden Rubber Co. has been incorporated by Wilhelm A. Zickerman, H. George Talcott, L. H. Francis. Capital stock $10,000.

New York, N. Y.—Esmond Cycle Saddle Co. has been incorporated by Alfred Castro, Preble Tucker, William A. Abbott, Gustave Reimberg and H. G. Ward. Capital stock, $100,000.

Norfolk, Va.—The Sears Para Rubber Co. has been incorporated by Richard F. Sears, president; Henry Earl, vice-president; B. F. Brenning, secretary; William J. Pilcher, treasurer. Capital stock, $1,000,000.

Plymouth, Ind.—The Smalley Cycle Co. has been incorporated. Capital $50,000. The directors J. H. Bass, R. T. McDonald and James M. Barrett.

Sacramento, Cal.—The Golden Gate Bicycle Brake Co. has been incorporated. Principal place of business, San Francisco. Capital stock $10,000, all subscribed, with Thomas Williams, Horace W. Bowman, Francis C. Williams, John H. Cavat and Lewis H. Bailey of San Francisco as directors.

Springfield, Ohio. — The Rubber Tire Wheel Co. have opened a branch office and plant at No. 240 Penn Avenue, Pittsburg, Pa., where they have every facility for furnishing Springfield tires.

Springfield, Ohio.—William N. Whitely, the "ex-Reaper King," will shortly commence the manufacture of bicycles in the new Champion shops.

St. Paul, Minn.—W. J. McGuiggan, sporting goods, etc., has opened a new store on Jackson Street, near Seventh.

Toledo, Ohio.—Samuel Snell, it is stated, will organize a company for the manufacture of motor cycles.

Wallingford, Conn.—Treat Mfg. Co. has been incorporated by Erma T. Linsley, Charles Hill, Charles C. Treat; to manufacture and deal in bicycle parts. Capital stock, $3000.

Changes and Improvements.

Akron, Ohio.—The Whitman & Barnes Mfg. Co., manufacturers of rubber goods, will erect a plant for the manufacture of their goods, and will manufacture bicycle tires.

Baltimore, Md.—The Mt. Royal Cycle Co. business has been taken out of the hands of William P. Harvey, receiver, and will, in future, be conducted by O. H. Harvey.

Canton, Ohio.—H. J. Lehman, bicycles, etc., sold to Suteur & Co., of Cleveland.

Chicago, Ill.—A new bicycle called the "Cygnet," has made its appearance in this city. It is made in Dayton, Ohio, by the manufacturers of the Tiger wheel, the Stoddard Mfg. Co.

Derby, Conn.—Biever & Clark, bicycles, succeeded by D. N. Clark.

Great Falls, Mont.—Richard Barry, Hardware, sporting goods, etc., closing out business.

Logansport, Ind.—Burgman Cycle Co., bicycles, succeeded by Lawrence Cycle Co.

Louisville, Ky.—The Aquila Bicycle Mfg. Co., W. H. McKown, proprietor, has moved into its new building, and will put in considerable machinery.

Nyack, N. Y.—Chamberlain & Co., the bicycle firm which has done business in Depew Place for two or three seasons, have sold out to the World Cycle Exchange, No. 720 Lexington Avenue, corner Fifty-eighth Street, New York City, where all the effects will be removed. W. A. Nash, who has had charge of the place this season, has been employed by the Exchange people and will remove to the city.

Mauch Chunk, Pa.—William Glover, Jr., of Hazleton, purchased the contents of the defunct Weatherly bicycle plant, consisting of 125 bicycles and all the machinery necessary to their manufacture. The whole business has been moved to Hazleton.

Reading, Pa.—The Acme Mfg. Co. received an order from its New York exporters, James S. Barron & Co. for 2400 bicycles for Germany, to be delivered as early as possible. In consequence there is a boom again at the plant of the Acme, which had slacked off somewhat, and the place is working day and night with 400 hands employed, who are turning out 200 wheels a day.

South Portland, Me.—The Lovell bicycle plant will not be sold. The Lovell's are negotiating for the purchase of land adjoining the factory upon which a large building will be erected, to be used for the manufacture of rifles, etc. In a short time they will also manufacture sporting goods at this concern in South Portland.

Thompsonville, Conn.—The Lozier Mfg. Co. closed for the month of July, the company having enough finished stock on hand for its 1897 output. The 1898 model will not be decided upon until the return of H. A. Lozier from Europe.

Tipton, Ind.—The Tipton Tubing Works, which was destroyed by fire last April, will be rebuilt.

Recent Embarrassments.

Amesbury, Mass.—The Eastern Cycle Mfg. Co. has made an assignment. It was incorporated December 31, 1895, with a capital stock of $20,000.

Chicago, Ill.—The Mason & Mason Co., manufacturers of bicycles, have made an assignment. The liabilities are placed at $60,000 and the assets at $75,000. The affairs of the company are said to be in such condition that it may resume business within a very short time.

Everett, Mass.—Everett Cycle Co. has made an assignment. It was incorporated in January, 1894, and had a capital of $50,000.

Hazleton, Pa.—George N. Lord, bicycles, etc., has made an assignment. Liabilities, $2000.

Indianapolis, Ind.—The Central Cycle Co., manufacturers of bicycles, reported to have appointed a receiver.

Kansas City, Mo.—Brax V. Lawrance, bicycle repairer, No. 1214 Walnut Street, has made a general assignment for the benefit of creditors. No creditors are preferred and no statement of assets or liabilities is given.

New York, N. Y.—Dean Tire Co., No. 25 Warren Street and No. 409 East Ninety-first Street, Wm. McBride appointed temporary receiver, with a bond of $5000.

New York, N. Y.—G. Minturn Worden Cycle Co. No. 79 Nassau Street, James J. Nealis appointed receiver. The company was incorporated in March last, with a capital stock of $5000.

Philadelphia, Pa.—The Cornelius & Rowland Co., dealers in bicycles, etc., Harry H. Sawyer appointed receiver.

St. Paul, Minn.—The E. M. Hallowell Co., dealers in bicycles, No. 382 St. Peter Street, has made an assignment to Frederick W. Romer. The assets of the company do not exceed $2500.

Thorold, Ont.—Jones & Durkee, bicycles, reported to have assigned.

Toronto, Ont.—McLean & Oakley, manufacturers of bicycles, meeting of creditors. Assigned.

Recent Fires.

Middletown, Conn.—Kirby Mfg. Co., bicycles bells, etc., damaged by fire; insured.

Niagara Fall, Ont.—Sam Ward, bicycles, Lang Block, destroyed by fire at a loss of $2000; insured for $1400.

Ottawa, Ont.—Currie & Graham, bicycles and bicycle sundries, destroyed by fire at a loss of about $1900; insured.

Vancouver, Wash.—W. W. Wintler, bicycles, destroyed by fire; insured.

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STERLING BELLS.



One Best THE Sterling.

Bells of all Description.
Send for Catalogue.

N. N. HILL BRASS CO.,
East Hampton, Conn.

Bells.



The belle of the ball on her escort leaned,
And so very happy the dear girl seemed,
That he took her aside to a cozy retreat
And told her the story that's always so sweet.



She perked up her lips, so enticing and fair,
And his own were reaching the heaven that's there,
When she said, "Dear boy, this is only a sell.
You'll first have to buy me that 'Climax' bell."

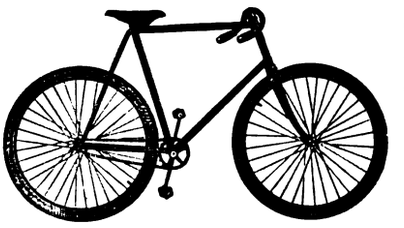
The new 1897 model "CLIMAX" Bell possesses without doubt the most improved Lock Clamp known. Can be adjusted to the Handle Bar quickly without removing the screw, thus saving all vexatious worriment in the operation, and at the same time presents a more attractive appearance than any other kind of an attachment.

We have just published a handsome little booklet to be carried in the vest pocket, containing lots of valuable information for the benefit of wheelmen. Send us a two-cent stamp and we will mail you a copy.

Climax Bell Co., 403 Washington St., Boston, Mass

THE "SPARK" '97 MODEL

An up-to-date machine. List, $60.
ONE WHEEL. Best Grade. ONE PRICE, $60.
If you have a first-class store put in a first class wheel for your leader. THE "SPARK" will fill the bill. Address



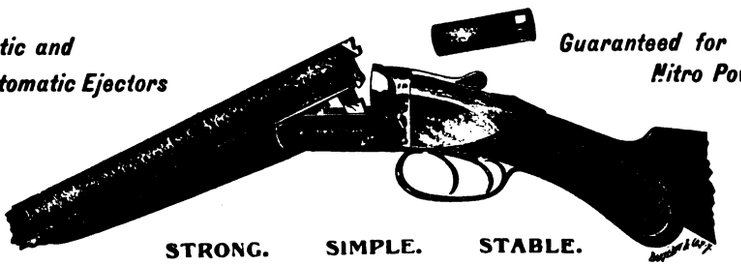
CANTON CYCLE MFG. CO.,
Canton, Ohio.

Is This Name Familiar?

REMINGTON HAMMERLESS.

Automatic and Non-Automatic Ejectors

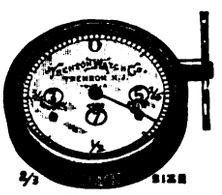
Guaranteed for Nitro Powders.



STRONG. SIMPLE. STABLE.

You need a good gun for your Fall shooting. SEND FOR CATALOGUE.

THE REMINGTON ARMS CO.,
313-315 Broadway New York. ILION, N. Y.



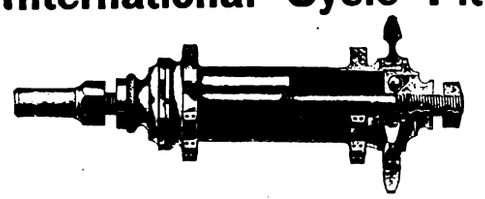
MODEL F.

RETAIL DEALERS

Should ask their jobbers for revised prices on Model F—1,000 mile "Midget" Cyclometers. Registers 1,000 miles and repeats. *Price $1.00.* You can make money on them, as they out-sell larger models.

TRENTON WATCH CO.,
Trenton, N. J., U. S. A.

International Cycle Fittings Co.



EVERYTHING FOR A WHEEL.

70 & 72 READE ST., NEW YORK, U. S. A.

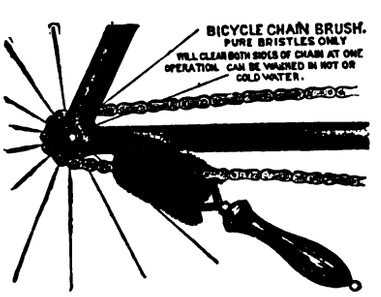
The Bicycle Rider Made Happy By Using

THE STODDER PUNCTURELESS TIRE.

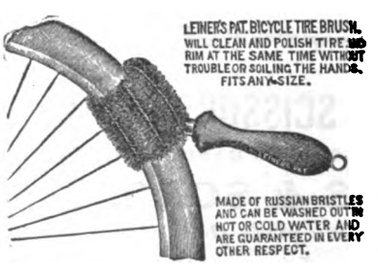
Leave your Repair Kit at home.

It is Puncture Proof, Light, Durable Resilient and Speedy. No Steel Wire. No Leather Strips.

STODDER PUNCTURELESS TIRE CO.,
54 WARREN STREET, NEW YORK.



PRICE 15 CENTS.



PRICE 25 CENTS.

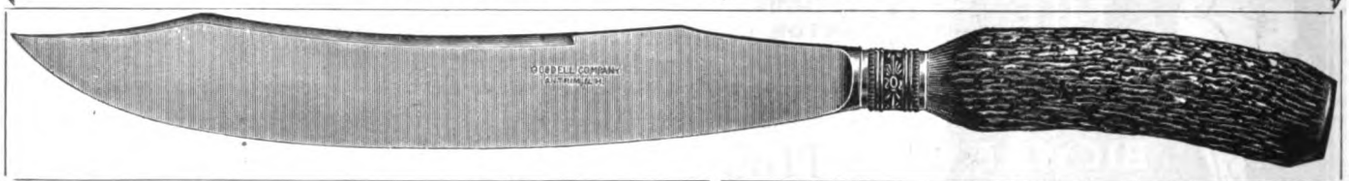
Sent by mail upon receipt of price.

Hall & Downing,
82 West Broadway,
NEW YORK.

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Goodell Company, Antrim, N. H.

It is our opinion that we make the best selling line of Cutlery on the market, consisting of Carvers in large variety, Table Knives and Forks, Butcher, Bread, Cheese, Putty, Shoe Knives, etc., etc. . . . . .



Our prices are right. Catalogue free.

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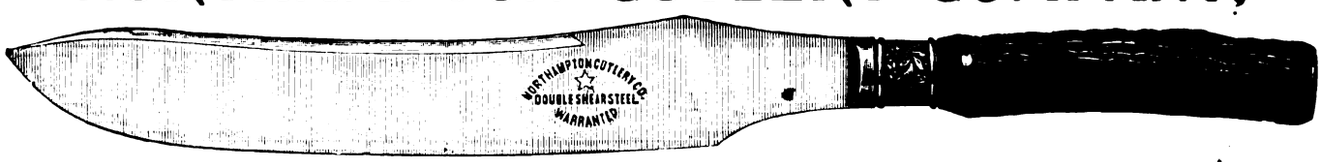
M. G. RODEARMEI, 516 Boston Block, Minneapolis.

C. A. MAYDWELL, 23 Davis St., San Francisco.

G. W. HODGES, 216 Northern Office Bldg., Chicago.

HENRY KEIDEL & CO., 32 Hopkins Place, Baltimore.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

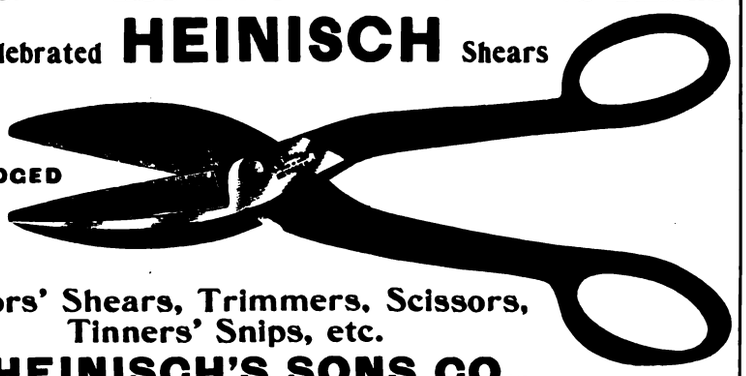
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72 YEARS. ESTABLISHED 1825. 72 YEARS

Celebrated **HEINISCH** Shears

ACKNOWLEDGED THE BEST



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.,

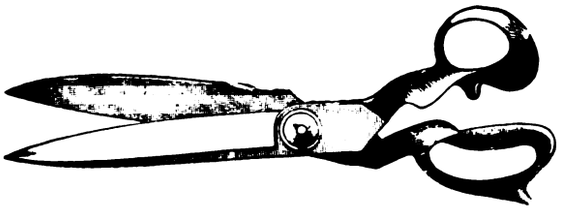
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COULD NOT KEEP HOUSE WITHOUT IT.

Sickels, Preston & Nutting Co., Davenport, Iowa. [*Wholesale Hardware*]: We would not know how to keep house without HARDWARE. The review of the Hardware markets, trade reports and editorials are frequently read before letters are opened that are received in the same mail with HARDWARE.

WHEN YOU WANT THE

Best Quality and Finest Finish



SHEARS, SCISSORS & TINNERS' SNIPS

YOU SHOULD HANDLE THOSE MADE BY

J. WISS & SONS, NEWARK, N. J.

We make the Largest line of

Tailer Shears, Trimmers, Barber Shears, Bankers', &c.

WE make a specialty of High Grade Shears suitable for Mill and Factory use. No mechanic can afford to use poor tools. Ours are the **BEST** in the line, consequently the cheapest. . .

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SUPERIOR QUALITY

CAST STEEL TOOLS

WESTPORT CONN.

BUSH HOOKS, DRAWING KNIVES, TURPENTINE TOOLS, SHIP CARPENTERS' TOOLS, &c., &c., &c.

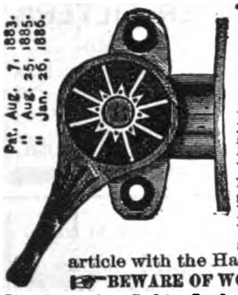
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Underhill, Clinch & Co.,

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Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

In Our Line of Elevators and Hoists



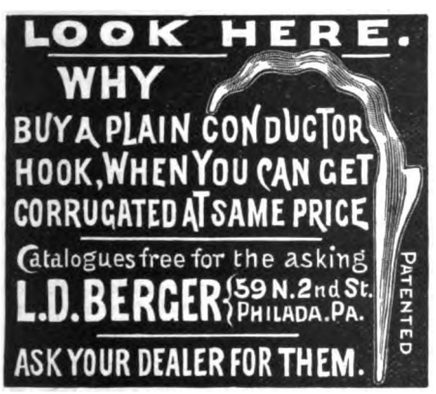
We have a Hand Elevator especially adapted for use in stores, warehouses, etc., and we are sole manufacturers of

The Philadelphia Dumbwaiter.

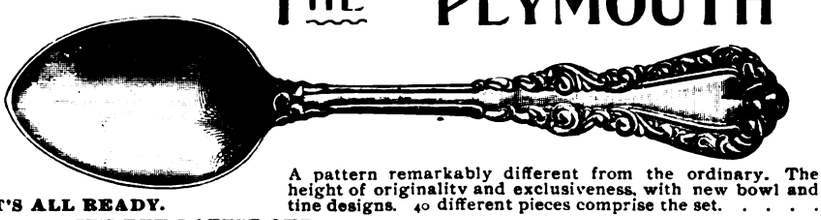
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411 Cherry Street,
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THE "PLYMOUTH"



A pattern remarkably different from the ordinary. The height of originality and exclusiveness, with new bowl and tine designs. 40 different pieces comprise the set. . . . .

IT'S ALL READY.
IT'S THE LATEST OUT.
IT'S MADE ONLY IN THE

ROGERS' "ANCHOR" BRAND SILVER PLATED WARE

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AND BY THE

WM. ROGERS MFG. CO.,

Office and Salesrooms: HARTFORD, CONN.

HOLMES & EDWARDS



Would like your business.





Their goods sell QUICK.

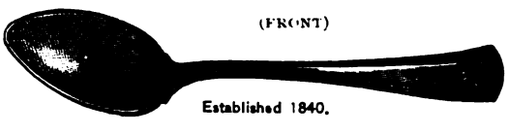
..THEY LAST FOR YEARS..

YOU.

Can Guarantee Them.

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.

Write for Catalogue and Prices.

CORPORATE MARK,



JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States.

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of the following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.

"NO BETTER MEDIUM."

U. S. Mfg. Co., Fond du Lac, Wis. [*Cyclometers, Lamp Brackets*]: Manufacturers of bicycles and bicycle sundries find their best customers among the Hardware trade. To reach this trade, we know of no better advertising medium than HARDWARE. Our advertising in HARDWARE has been of an effective character.

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JOHNSTON'S LIQUID GLUE FOR ALL USES.
1 oz. bottles per gro. $5.00
2 oz. bottles per gro. $8.00
JOHNSTON'S IMPERIAL CARPENTERS' PENCILS.
—HIGH GRADE.—
Price per gro. $5.00.
OVAL, BEVELED, TRILATERAL, HEXAGON.
J. D. JOHNSTON, Newport, R. I.


WOOD or METAL Workers
without steam power can save *time* and *money* by using our Foot and Hand Power Machinery
Send for Catalogues—
A—Wood-working Machinery.
B—Lathes, etc.
SENECA FALLS MFG. COMPANY,
334 Water St., Seneca Falls, N.Y.

Seed's Reversible Self-Cleaning ... WATER FILTERS
BRASS, NICKEL PLATED.
No. A1 Per dozen, $4.00 No. 3 Per dozen, $1.50
No. 2 " " 2.50 No. 4 " " 1 00
In 5 Gross lots, 10 per cent. off.
J. H. SEED, Manufacturer,
21 and 23 Centre Street, - - NEW YORK.

PRIEST'S CLIPPERS


Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

—ESTABLISHED IN 1874.—
ROCKFORD TACK COMPANY, ROCKFORD, ILL.
MANUFACTURERS OF
HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.
Also a full line of Shoe Finder's Tacks and Nails.
—Orders Solicited.—
Prices and terms quoted promptly on application.

If you would use only the best use
Barnes National Writing Ink and Mucilage.
BARNES NATL. INK CO.,
NEW YORK & PHILADELPHIA.

What Every Family Needs.
Pure Washed Filteration Quartz, free from all mineral impurities. Can be used in any filter or through cloth. . . Sold only by
The New England Filteration Co.,
564 Washington Street, Boston.

PATENT FOR SALE of a valuable Tinware Specialty already favorably before the trade. Offers wanted. Sample on application. Address
HOT COFFEE DINNER PAIL CO.,
Newark, Wayne Co., N. Y.

HOUSEFURNISHING HARDWARE & HARDWARE SPECIALTIES.

Basting Spoons, Cake Turners, Mincing Knives, Ice Tools, Tack and Nail Hammers, Hatchets, &c. Champion Cross Cut Saw Handles, &c.
KNAPP & PRATT MFG. CO.,
GENEVA, OHIO.

BEEN WITH YOU FROM THE BEGINNING.
Union Metallic Cartridge Co., New York. [Ammunition]: We have been with HARDWARE as advertisers from the beginning and expect to continue.

One of the Best Mediums Known.
C. T. Williamson Wire Novelty Co., Newark, N. J. [*Corkscrews*]: To present new goods to the trade we consider HARDWARE one of the best mediums known.

. . . HEARTILY RECOMMEND "HARDWARE."
E. T. Barnum, Detroit, Mich. [*Wire Goods*]: We heartily recommend HARDWARE to those desirous of reaching the largest number of dealers.

Hardwaremen's Exchange.

Notices of ***HELP WANTED*** *or* ***SITUATIONS WANTED*** *will be inserted in this column free of charge. Should not exceed Four Lines.*

ALL OTHER NOTICES, *twenty-five cents per line.*

Help Wanted.

WANTED—First-class traveling salesman to canvass manufacturers for the sale of Hardware, factory and mill supplies. Good salary will be paid to the right man. Address MANUFACTURER, care HARDWARE Publishing Co., No. 143 Chambers Street, New York.

WANTED resident agents in all cities not already covered, to sell our National Feed Boxes. This article is a startling success and has no competition. Active canvassers can make good profits. Address NATIONAL FEED BOX CO, No. 137 McGraw Building, Detroit, Mich.

A FACTORY superintendent wanted—A thorough mechanic with $3000 to $5000, must be a good Tool and Die maker who is able to take full charge of a Specialty Hardware and Stamping Factory; to such a man a good opportunity is offered. State experience and references. None need apply knowing they cannot fill requirements. Address HENRY BERG, No. 375 Kennard Street, Cleveland, Ohio.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

POSITION wanted by a practical man, who has held positions as tool maker, foreman and assistant superintendent. Up on modern methods and able to get out work at lowest cost. Address FREMONT, care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL Hardwareman, 39 years, of long experience both wholesale and retail, able to act as salesman, stockkeeper, bookkeeper or manager, speaking and corresponding in English or German, desires a permanent position. Best references. Address CHARLES KREINBERG, No 108 East Houston Street, New York.

BY a practical mechanic, experienced in manufacturing patented and builders' Hardware and specialties, well up in modern shop methods. Competent to get out work cheap, etc. An expert workman at bench, and a hustler. Address EXPERT, No 3029 Poplar Avenue, Chicago, Ill.

POSITION wanted by thoroughly experienced man either as clerk or salesman; first-class references. Address G. B W., No. 28 South Fifth Avenue, Mount Vernon, N. Y.

WANTED—Situation as manager in small Hardware and repair store with a view to purchasing business on easy terms. Age, 26. Eight years' experience in wholesaale and retail Hardware in New York City. Address TAYLOR, care HARDWARE, No. 143 Chambers Street, New York.

THOROUGHLY experienced bookkeeper and office correspondent desires situation as accountant or cashier in a Hardware house. Highest references. Bond furnished if desired. Address COMPETENT, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted by a salesman well known among the Hardware, Housefurnishing goods and Department store trades; fifteen years' experience in New York and New England; best of references. Address H. N. P., care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED Hardware salesman with large acquaintance in the South, desires position as traveling salesman to represent Hardware manufacturer or commission house. Is a native of the South and has about twenty years' experience on the road. Would be willing to take other territory than the South. Unexceptionable reference given. Address "HARD WORKER," care HARDWARE, No. 143 Chambers Street, New York.

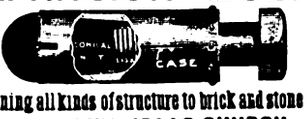
POSITION by young man of ten years' experience in Hardware business. Have had experience both on road and in store J. E., care HARDWARE, No. 143 Chambers Street, New York.

BICYCLE repairer and builder wants position with Hardware store handling wheels to make repairs and build to order new wheels during the season; other odd jobs in winter. GEO. GOULD, No. 114 Freeport Street, Dorchester, Mass.

AMERICAN, 30 years old, would like to hear at once from manufacturer desiring Boston manager or representative. Advertiser is competent to buy or sell goods, is a practical bookkeeper and correspondent and understands advertising. Seven years' business experience and as traveling salesman. Reference as to character, ability and temperate habits. Address H. G. C., P. O. Box 2981, Boston, Mass.

WANTED—Young man, business correspondent and office manager of fifteen years' practice would accept position with manufacturing company or jobbing house. Or would manage branch office or travel in the far West and Pacific Coast. Address BUSINESS, Drawer No. 79. Milledgeville, Penn.

POSITION as salesman, indoor or road; Philadelphia, or New York and vicinity preferred; 20 years' experience Hardware and cutlery, eight on road; thoroughly posted. Address DAVID HUGHES, No. 1121 G Street, N. E., Washington, D. C.

EXPANSION BOLTS


For fastening all kinds of structure to brick and stone work
Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue B, Toledo, Ohio.

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Situations Wanted.

A STOVE and furnace pattern maker wishes a position as foreman with a stove or furnace company, in their pattern shop I am a thorough practical man, being foreman six years in a leading stove manufacturing and pattern company. Can do my own drafting, modeling, carving and designing. Am a fast, clean and artistic worker, having made some of the best stoves in the country. Can furnish best of reference as to ability, character, etc. Wages moderate for a steady position. Address A. D. SMITH, General Delivery, St. Louis, Mo.

BY a thorough Hardwareman, aged 32 years, 18 years' experience; situation as either in or outdoor salesman; can furnish best of references. Address G. B. W., No 28 South Fifth Avenue, Mount Vernon, N. Y.

RAZOR manufacturing foreman desires to change location; 21 years' experience. Any good cutlery concern wishing to make their own razors, might increase their profits by addressing RAZOR MAKER, care HARDWARE, No. 143 Chambers Street, New York.

A TRAVELING salesman with seven years experience in builders and general Hardware; can furnish A1 references as regards ability and integrity. Address A. P. H., care HARDWARE, No. 143 Chambers Street, New York.

A MIDDLE-AGED man of an extensive acquaintance in Eastern North Carolina wishes a position as a traveling salesman of Hardware; can command a good trade. Address L. R. LAND, Norfolk, Va.

WANTED—Situation as house or traveling salesman with Hardware or bicycle house. Fifteen years in retail Hardware and six with bicycles. Also have traveled a little. Can give best of reference. Address L. B. 84, Castile, N. Y.

WANTED—Thoroughly experienced bookkeeper, correspondent or office man desires position with responsible wholesale or retail firm. Address J. G. R., box No. 533, Lake Mills, Ia.

WANTED—By young man a position in wholesale or retail Hardware store, inside or outside. Have had six years' experience; can give all references; speak German and English. Address RELIABLE, care of HARDWARE, 143 Chambers Street, New York.

YOUNG man (28) practically experienced in manufacturing and selling metal ware, moderately familiar with important European languages, wants position with concern intending development of foreign trade. Willing and able to do any other work in addition when desired. A. M. ENERGETIC, care HARDWARE, No. 143 Chambers Street, New York.

By a man who has had sixteen years' experience in the Hardware line. Knows entire business and acquainted with city trade and trade within a radius of 100 miles of New York City. Address, TROWEL, care HARDWARE, No. 143 Chambers Street, New York.

Position wanted by a young man 27 years of age, eight years' experience in wholesale Hardware business, Bicycle and Export business, as Stenographer and correspondent. Understands office work thoroughly; also book-keeping. Export business preferred. Address, K., care HARDWARE, No. 143 Chambers Street, New York.

DESIRED by a practical Hardwareman a permanent position with some live house. Understands thoroughly builders' Hardware and mechanics tools. Salary moderate; reference of the best. Address PRACTICAL, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted.—A salesman well known among the Hardware export, housefurnishing and department store trade is open for engagement. Address H, care of HARDWARE, No. 143 Chambers Street, New York

Side Line Wanted.

A TRAVELING salesman wishes a good side line for Illinois, Missouri, Iowa, Kentucky, Indiana and Ohio. Address I. N. D. care HARDWARE, No. 143 Chambers Street, New York.

A WELL-KNOWN firm, representing several factories as New York office, wishes to add at least three good lines either on commission or salary. Address MANUFACTURERS' AGENT, care HARDWARE, No. 143 Chambers Street, New York.

WANTED.—Side line, by salesman calling on the Hardware trade. Address M. A. N., care of HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

LIBERAL inducements offered to salesmen to sell Mica as a side line. Address MICA, care HARDWARE, No. 143 Chambers Street, New York City.

WE offer good side lines to those calling on Hardware, harness, carriage manufacturers and department stores, both wholesale and retail. Address FERNALD MFG. CO, North East, Pa.

WANTED a Commission House to market in the United States a Hardware Specialty. Address Box 255, Perth, Ont.

Side Line Offered.

MANUFACTURER of staple line of goods and Hardware specialties wants a representative in each of following cities: Montreal, Boston, Chicago, Detroit, St. Louis, Cleveland, New Orleans, Baltimore, Philadelphia, Atlanta, Kansas City, St. Paul; on commission basis. Address A. B. C., care HARDWARE, No. 143 Chambers Street, New York City.

SALESMAN wanted who calls on the retail Hardware and drug trade in New York State and Pennsylvania to sell a line of Razors Strops as side line. Address "B," care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN wanted visiting the Hardware trade, to sell a high grade metal polish. Good inducements. Address CROSS, care T. J. Nay & Co., Nos. 18 and 20 Franklin Street, Brooklyn, N. Y.

PARKER'S Folding Bicycle Stand—a good seller and profitable. Address F. HAWLEY, No. 40 Gold Street, New York.

Tools Wanted.

COMPLETE set of new or second-hand Tinners' Tools wanted, Stowe's make preferred; must be cheap. Address J. S. RIDENOUR, Jackson, Ohio.

A Business Wanted.

$200 and services to invest with machines for stitching, cutting and punching leather goods, also lathes and tools for mechanical repair work. Age, 26. Eight years' experience in wholesale and retail Hardware in New York. Will buy out small business or go in with partner. This is an opportunity to increase or sell your business. Address No. 410, care HARDWARE, No. 143 Chambers Street, New York,

For Sale.

$1000 Buys a well-established Hardware, commission and bicycle business with lease and store fixtures in one of the most desirable locations in the city; a great opportunity for a young man who is energetic and willing to work; reason for selling, change in business. Address B. P., No. 37 Pearl Street. Boston, Mass.

Attention! Hardware Dealers!

WANTED—Hardware dealers who handle bicycles to write us for particulars regarding Norwood Bicycles. HALL & DOWNING, No. 82 West Broadway, New York.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Agent Wanted.

WANTED—Resident agents in all cities to sell our Patent Mixer and Beater. This is a new and useful household article for all mixing purposes, for the table. No competition. Good profits. Address EYNON & SONS, No. 122 N. 6th Street, Philadelphia, Pa.

WANTED—An energetic man; one who is acquainted with the Hardware, cutlery and kitchen furnishing trades of New York City, to take the general agency and push the sale of a first-class Emery knife sharpener. Address P. H. JOHNSON, Upton, Mass.

Agency Wanted.

SOME first class agencies in Hardware, Cutlery and Tools by a party who now has a prominent agency and has had twenty-five years' experience on the road. Address W. H. B., care HARDWARE, No. 143 Chambers Street, New York City.

GENTLEMAN with over twenty years' experience in general Hardware, wishes to correspond with some manufacturers with a view of representing them in the South. Address J. W. JOHNSON, Drawer, Birmingham, Ala.

A MAN of fine experience in miscellaneous Hardware, tinware and housefurnishing goods (is now employed), desires to make changes. Wants to represent best houses. Prefers those who seek all available dealers and make prices "F.O.B. destination." Large trade acquaintance in North and South Carolina. Address STRICTLY COMMISSION, care Carrier No. 7, Charleston, S. C.

WANTED by a young man with thirteen years experience, to represent some Horse Shoe or Horse-Shoe Nail Manufacturer or Manufacturers' Agent; can furnish best of reference. Address EXPERIENCE, care HARDWARE, No. 143 Chambers Street, New York.

Rubber Agency Offered.

CYCLE Tires $4 88 pair; best '97's; Durable, Resilient; Full Guarantee. MINERALIZED RUBBER CO., No. 18 Cliff Street, New York,

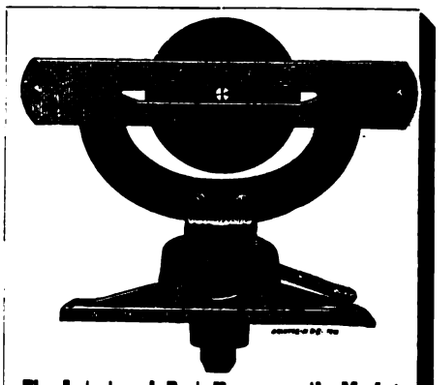
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WRITE FOR QUOTATIONS



GET OUR PRICES BEFORE ORDERING.

Mention "Hardware."



The Latest and Best Hanger on the Market.
Write for Prices.
STOWELL MFG. & FDRY. CO.,
SUCCESSORS TO
Moore Mfg. & Fdry. Co.,
South Milwaukee, Wis



THESE may seem hot subjects for this season, but it is the time to talk about them.

Kitchen Sets,
FIRE IRON STANDS,
Fire Pokers,
STOVE LID LIFTERS

We have a large line and our prices are low. . . .

Lgoan & Strobridge Iron Co.,
NEW BRIGHTON, PA.

PARKS STOVE POLISHING MITTEN.



Best Made.
Write for Prices.
PARKS & PARKS, TROY, N. Y.

"Sanitary" Ventilated Lunch Boxes.



These boxes are made under our patents, are made of tin, japanned the color of paper boxes, can be cleaned out, are tight, ventilated and will outlast many paper ones.

ENNIS SPECIALTY CO., Sole Mfrs., TROY, N. Y.



LACLEDE & HERCULES BATTERIES

For Door Bells, Telephones, and Annunciators.

WARRANTED stronger and longer lived than any other Sal-Amoniac Battery made. . . . . .

MADE ONLY BY
PERU ELECTRIC MFG. CO.,
PERU, IND

ALSO MAKERS OF
ELECTRICAL PORCELAIN
OF ALL KINDS

Send for Catalogue.

SHOOT BLUE ROCKS.
For Sale by all Jobbers.
Foreign Trade Supplied Direct or Through Exporters.
The Cleveland Target Co.,
Cleveland, Ohio

"TOO VALUABLE TO BE WITHOUT."

Charles T. Mitchell, Baltimore, Md.: HARDWARE is too valuable to be without.

"INTERESTING AND INSTRUCTIVE."

Strong, Bush & Handwerk, Joliet, Ill.: Your paper is very interesting and instructive.

"IMPROVES AS IT GROWS OLDER."

Geo. P. Crans, Brooklyn, N. Y.: HARDWARE improves in quality as it grows older. I am well pleased with it.

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PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—

House Carpenters.....
Ship Carpenters.....
Railroad.....
} 40&12½%

Ammunition—

CAPS, PERCUSSION—₩ 1000—
M. C. Co. and Hicks, trimmed edge.....47 @ 50c
U. M. C. Co. and Hicks ground edge.....47 @ 50c
Musket, Waterproof, 1-10's..45 @ 50c
G. D.....28 @ 30c

CARTRIDGES—

Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.10@1.15
B.B. Caps, Con. Ball, Swgd $1.75@1.80

PRIMERS—

Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—

First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS, LOADED—

With Black Powder...40&10&10&5%
With Nitro Powd'r 40&10&10&10&5%

GUN WADS—₩ 1000—

B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.35
P.E., 8....1.50..P.E., 7.....1.50
} 20&5%

SHOT—

Drop Shot, sizes smaller than B, 25-₤ bags ₩ bag.....$1.25
Drop Shot, sizes smaller than B, 5-₤ bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-₤ bags, ₩ bag.....$1.50
Drop Shot, B and larger sizes, 5-₤ bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-₤ bags, ₩ bag.....$1.50
Buck and Chilled Shot, 5-₤ bags, ₩ bag.....$ .35
Dust Shot, 25-₤ bags, ₩ bag.....$2.00
Dust Shot, 5-₤ bags, ₩ bag.....$ .50
Jobbers frequently deduct 5@10 cents ₩ bag.

POWDER—

Laflin & Rand:

Orange Rifle ex., kegs	25₤	$4.00
	12½₤	2.25
	6¼₤	1.25
Orange, Special, kegs	25₤	5.00
	12½₤	2.75
	6¼₤	1.50
Orange Ducking, kegs	6¼₤	2.25

[For 100₤ lots 10% discount.]

Blasting and Mining, A.	25₤	2.25
Blasting and Mining, B.	25₤	1.50

Laflin & Rand W.-A. Smokeless:
Single Canisters.....$1.00
10 Can Drums.....$9.00
Discounts on application.

CANISTER POWDER—

E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 ₤ each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 ₤ each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ ₤ each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 ₤ each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 ₤ each.....35
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ ₤ each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ ₤ each.....12

KEG POWDER—

Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 ₤.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ ₤.....1.85
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ ₤.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 ₤.....4.00
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ ₤.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ ₤.....1.25
"V. G. P." for Trap Shooting, in Kegs 25 ₤.....4.00
"V. G. P." for Trap Shooting, in Kegs, 12½ ₤.....2.25
"V. G. P." for Trap Shooting, in Kegs, 6¼.....1.25
Choke Bore, Nos. 5 and 7, in Kegs, 25 ₤.....5.00
Choke Bore, Nos. 5 and 7, in Kegs, 12½ ₤.....2.75
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ ₤.....1.50
Mealed Powder, in Kegs, 25 ₤.....4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 ₤.....2.25
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 ₤.....2.25
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 ₤.....1.50
Du Pont Sporting Powder, for lots 1000 ₤ 10% discount:
Du Pont Smokeless Powder:
Kegs, equal in bulk, to 25 ₤ Black Powder.....$22.00
Half Kegs, equal in bulk to 12½ ₤ Black Powder.....11.25
Quarter Kegs, equal in bulk to 6¼ ₤ Black Powder.....5.75
Canisters, equal in bulk to 1 ₤ Black Powder.....1.00
Discounts on application.

HARD GRAIN SMOKELESS—

Schultze:
Canister, equal in bulk to 1 ₤ best black.....$ .85
Canister, equal in bulk to 2 ₤, best black.....1.70
Drum, equal in bulk to 10 ₤, best black.....8.25
Drum, equal in bulk to 50 ₤, best black.....41.00
Drum, equal in bulk to 100 ₤, best black.....82.00
Discounts on application.

TARGETS AND TRAPS, INANIMATE—

Cleveland Target Co.:
Blue Rocks ₩ 100.....$5.50
Expert Traps, each.....$5.50
Extension Traps, each.....$4.00

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....₩ doz. $3.50
Galien Safety.....₩ doz. $3.75
Hartman's Pivot.....₩ doz. $4.75
Iowa Farming Tool Co.:
Hawkeye.....₩ doz $3.25
Western.....₩ doz. $3.75

Anvils—

American "Horse-Shoe"...9½@9¾c
Armitage's Mouse Hole.....8¾@9¼c
Eagle Anvils, ₩ ₤ 9c.....15@15&5%
Hay-Budden, Wrought.....8¼@8¾c
Peter Wright's.....9¾@10¼c
Samson.....8¼@9c
Trenton.....8½@9c

ANVIL AND VISE COMBINED—

Cheney Anvil and Vise.....40%
Holt's.....40@40&10%
Millers Falls (with drill) $18.00..30%

Augers and Bits—

Boring Machine.....70&10@75%
Cincinnati Tool Co.:
Bell hangers' bit.....40%
Brace twist drills for metals. 50&5@50&10%
Brace twist drills for wood. 40&5@40&10%
Screw and plug.....25&10&10%
Cleveland Wood Bits for Brace, Style A, No. 114.....50&5%
Common.....70&10@75%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Forstner Pat. Bits.....25%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car. No. 30.60%
Nobles Double Spur, No. 32.70&1 %
No. 10 Extension Lip.....40%
No. 14 Extension Lip pattern car bit.....40%
Pat. Car Bits, No. 10.....40%
Pat. Car Bits No. 30.....60%
Ring Augers.....70&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Russell Jennings' Augers and Bits. 25&10&2½%

HOLLOW AUGERS—

Bonney's Adjustable, No. 4, $14.00. 20%
Cincinnati Adjustable.....25&10%
Cincinnati Standard.....25&10%
Douglass'.....33⅓@33⅓&10%
Ives.....33⅓@33⅓&10%
Millers Falls, Goodell....15&7½&10%
Universal, each $4.50.....20%

EXPANSIVE BITS—

C. E. Jennings & Co.....33⅓%
Cincinnati.....25&10&10%
Clark's small, $18.00.....45%
Clarks' Large, $36.00.....45%
Ives' Model, ₩ doz. $20...50@50&10%
Steer's No. 1, $26; 2, $18.....40%
Stearns' No. 2, $48.....20%
Swan's.....40@40&10%

GIMLET BITS—

Diamond ₩ doz. $1.35.....40&10%
Double Cut, Shepardson's.45&10@ 50&10%
Double Cut, Common, ₩ gro. $2 75 @$3 25
Double Cut, Douglass'....40&10@50%
Double Cut, Ladds'.....70%
C. E. Jennings & Co.:
Double Cut.....70%
German.....50%

BIT STOCK DRILLS—

Cincinnati Tool Co., for wood 40@ 40&10%
Cleveland Wood Bits for Brace 50&5%
Syracuse, for wood.....40%

TWIST DRILLS—

Cleveland.....60&5@60&10%
Morse Twist Drills.....60&5@60&10%
New Process.....60&5@60&10%
Standard.....60&5@60&10%
Syracuse.....60&5@60&10%

SHIP AUGERS AND BITS—

L'Hommedieu's.....15&10%
Snell's.....80&10@40%
Watrous'.....40%

Awls—

Dunlap's Brad.....25%
Dunlap's Handled.....25%
Handled Brad, ₩ gr.....$2 00@$2.25
H'ld Scratch ₩ gr.....$3.75@$4.00
Pat. Peg ₩ gr.....85@$1.00
Sewing, Com.....₩ gro., 85c@$1.00
Should. Peg ₩ gr.....$1.35@$1.45
Shouldered Brad, ₩ gr...$1.50@$1 65
Socket Scratch ₩ doz....$1.0 @$1.10
Stanley Rule & Level'
Handled Brad.....40&10%
Patent Pegging.....50&10%

Awl and Tool Sets—

Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60&10@60&10&5%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Ice Awls.....55%
Millers Falls Adj. Tool Holders.
Nos. 1, $12; 2, $12; 4, $12; 5, $18.. 15@15&10%
C. E. Jennings & Co.'s Adjustable Tool Handle, No. 10, $3.00; 45, $4.50; 65, $6.00; 75, $9.00; 175 $10.00 ₩ dozen net.

Axes—

First quality, best brands. $5 00@5 25
First quality, other " $4.50@4.75
Beveled add 50c ₩ doz.

AXES, HANDLED—

Peck's:
Champion Blade...per doz., $12.00
Empire.....per doz., $9.00
Firemans'.....per doz., $25.00

HATCHETS—

Collins.....10%
Findlay Axe & Tool Co...50@50&10%
Hunt's, Underhill's or Blood's... 50@50&10%
Peck's:
Champion Blade.....45%
Empire Brand.....50&10%
Fayette R Plumb:
Broad, New List.....40&12½%
Lathing.....40%
Shingling.....50%
Warehouse.....40&12½%
Vulcan Tool Co.....60%

Balances—

Chatillon's:

No.	2000	20	30
₩ doz.	75c	85c	$1.65 net

Circular Balances.....60%
Straight Balances.....50%
Circular Spring Balances.50&10@60%
Common ₤ ₩ doz. 80c net.
Ice.....50&10%
Straight Spring balances.50&10@60%

Barrel Drainers—

National.....30%

Beef Shavers—

Enterprise:
Japanned, each, $6.50.....20%
Tinned, each, $7.50.....20%

Bells—

HAND—

Extra Heavy Brass.....65&10%
Light Brass.....70&10%
Globe (Cone's Patent).....40%
Silver Chime.....40%
White Metal.....65&10%

DOOR—

Crank, Cone's.....10%
Gong, Abbe's.....40@40&10%
Gong, Barton's.....40&10@50%
Gong, Yankee.....55&10%
Lever, R. & E. Mfg. Co.'s.60@60&10%
Multi-Stroke.....50%
New Departure.....45@50%

COW—

Common Wrought.....60&10%
Dodge, Genuine Kentucky 70@70&10%
Kentucky, Sargent's List.....75%
Texas Star.....50&10%
Western, Sargent's list.....75%

Bellows—

Blacksmith's.....70@70&10%
Hand.....50&5@50&10&5%
Moulders.....50&5@50&10&5%

Belting, Rubber—

Boston Belting Co.;
"Boston".....50&10&5%
"Imperial," seamless, stitched 40&10%
Cleveland Rubber Co.:
Buckeye.....60&10%
Shield High Grade.....50&10%
War. 2 XL.....40%
Common Standard.75&10@75&10&5%
Extra.....60&10&5@70%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Standard.....70&10@75%

Bench Stops—

Cincinnati.....25&10%
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Terrell's No. 1 and 2, $3; No. 3, $3.00 ₩ doz.....30%
Millers Falls.....15&10%

Bit Holders—

Angular.....40&5%
Extension:
Barber's, ₩ doz. $15.00.....45%
Ives' ₩ doz. $20.00.60&10@60&10&5%

Blind Adjusters—

Domestic..₩ doz. $2..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
North's.....10%
Zimmerman's.....50&10@50&10&10%

Blind Fastenings and Tenons—

Austin & Eddy ₩ gro. sets.....$5.50
Gorhams Improved Star Tenon ₩ gro. $1.00.....25%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Millers Falls ₩ set $1.00.....15&10%
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel 60&10@70%
Com. Japed Sheaves...70&5@70&10%
Lanes:
Junior, Self Retaining.....30%
Pat. Automatic.....30%
Perfect Safety.....30%
Stowell Novelty Block.....50&10%

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Regular Iron Strapped Blocks 70&5@70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c.....70%
Cast Iron Chain.....50&10%
Cast Iron Shutter Bolts.....70%
Ives' Patent Door Bolts...60&10&5@60&10&10%
Wrought Barrel.....75@75&10%
Wrought Square..70&10@70&10&10%
Wr't Shutter, Standard list.....70%
Wr't Shutter, Sargent's list...70%
Wr't Sunk Flush, Sargent's list. 50&10@50&10&10%
Wr't Sunk Flush, Stanley's list 50&10@5& &10&5%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&5%
Window Spring.....75%
Window Spring Bolt Socket.....70%

CARRIAGE, MACHINE, &C.—

Bolt Ends.....80@80&5%
Machine.....75& 10@80%
Carriage, Common.....75& 5@75& 10%
Norway Iron, list Oct '84..80& 10@80&15%
Phila., Eagle, list $3.00.....85%
R. B. & W., $2.40 list.....70%

TIRE—

American Screw Co.:
Bay State, Plain list Feb. 26, '96. 75& 10%
Bay State, Fluted.....80%
Eagle Phila., list Feb. 26, '96....85%
Norway, Phila., list Feb. 26 '96.80%
Common, list Feb. 28, 93..75@75&10%
Eagle.....85%
R. B. & W., list Oct. 16, '84.....80%

STOVE AND FLOW—

Plow.....60&10&10@70%
R. B. & W., Plow.....65%
Stove.....75&10%

MISCELLANEOUS—

Sink.....75&10%
Sleigh Shoe.....85%

Bone Mills—

Enterprise.....80%

Borers, Tap—

Common and Ring.....20&10@35%
Enterprise, No. 1, $1.50; 2, $2.00; 3, $3.00 each
Ive's.....33⅓&5%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'	$2.50	$3.00
Jennings'	2.50	3.00
Millers Falls	7.50	15&10%
Other Machines	2.25	2.50....net
Phillips' Patent with Augers	7.00	7.50 ....
Snell's, Rice's Pat.	2.50	$2.75

Bow Pins—

1¼ inch, ₱ gro.....$4.50@$5.00
2 inch, ₱ gro.....$5.00@$5.50

Boxes, Mail—

Heller's.....40&5%

Braces—

Barber's.....50&10@60&10%
Barber's Ratchet.....60@60&10%
Bartholomew's:
Nos. 25, 27 and 30.....70@75%
Nos. 117, 118, 119.....70&75%
Common Ball American. $1.10@$1.20
Ives':
Barbers'.....60&5%
Barber Ratchet.....70@80&10%
New Haven Novelty....70@70&10%
New Haven Ratchet. 60&10@60& 10&10%
Spofford.....60&5@60&10%
C. E. Jennings & Co.:
No 108@114½.....60&10%
No. 208½@214½.....60%
Peck's (P. S. & W. Co.)...60@60&10%
Gen. Spofford's.....50&10&5%

Brackets—

Door Screen.....70&10%
Moore's.....70&5%
Shelf, Bradley's Patent.....80%
Shelf, Plain, Regular list.....70&10%
Shelf, Fancy, Sargent's list. 60&10@60&10&5%
Window Screen Corner.....70&10%
Reading, plain.....70%
Reading, Rosette.....70%

Bright Wire Goods—

Standard list.....85@85&10%

Bull Rings—

Humason, Beckley & Co.'s. 80@80&10%
Peck, Stow & Wilcox Co.'s. 60@60&10%
Sargent's.....80@80&10%
Seymour Smith & Sons.....60%

Butcher's Cleavers—

Beatty's.....40&5@40&10%
Bradley's.....35@35%
Dunlap's Family.....35%
Foster Bros. Flat Hds.....30%
Foster Bros. Round Hds.....40%
L. & I. J. White.....35%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%

Bung Hole Borers—

Enterprise.....35%
C. E. Jennings & Co.:
No. 6.....40%
No. 10.....30%

Butter and Cheese Triers—

Ordinary Black Handle.....35%

Butt and Rabbet Gauges—

Stanley's.....35&10%

Butts—

BRASS—

Cast Brass, Fast Joint....40@40&10%
Cast Brass, Ice House.....40%
Cast Brass, Loose Joint...40@40&10%
Wrought Brass, List Sept. '96. 40&10%

CAST IRON—

Loose Joint.....75@75&5%
Loose Joint, Japanned.....75@75&5%
Loose Joint, Jap. with Acorns, 75@75&5%
Loose Pin.....75@75&5%
Mayer's Hinges.....75@75&5%
Parliament Butts.....75@75&5%
Sargent's:
Fast Joint, Broad.....60&10%
Fast Joint, Narrow,....60@60&10%

WROUGHT STEEL—

List, April 1, 1895
Bronzed Inside Blind Butts. 50&10@50&10&5%
Bronzed, Narrow.....
Fast Joint, Narrow.....
Fast Joint, Light Narrrow.....
Fast Joint, Broad.....
Loose Joint.....
Loose Pin.....
Table Butts, Back Flaps, etc..
} 75%

Can Openers—

American.....₱ gross $1.75@$1.90
Champion, ₱ dos. $3.00.....50%
Columbian.....₱ gro. $14.40
Dunlap's Iron Handle, No. 3 ₱ gr. $12.00....25%
Dunlap's Sardine Scissors, ₱ dos. $4.00....25%
Dunlap's Wood Handle No. 2 $1.75@25%
Goodell's Acme, ₱ gr. $8.00; ₱ doz. 75c
No. 5, Iron Handle, ₱ gr....$2.00@2 25
Sardine Scissors...₱ dos. $2.00@2 25
Sprague, No. 1, $2.00; No. 2, $2.25; No. 3, $2 50.....70%
Universal, ₱ dos. $3.00.....55&5%
World's Best, ₱ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%

Cards—

Cotton.....20@25%
Horse and Curry.....20@25%
Wool.....20@25%

Carpet Stretchers—

Bullard's.....33⅓%
Cast Iron Steel Points, ₱ dos. 75@85c
Cast Steel, Polished.....₱ doz. $2.25
Dunlap's.....25%
Excelsior.....25%
Socket.....₱ doz. $1.75

Carpet Sweepers—

Bissell's:
Gold Medal...
Grand.....
Grand Rapids.
Hall.....
Prize.....
Premier.....
Superior.....
} Cyclone Bearings ₱ doz. $14.00 ₱ doz. $36.00 ₱ doz. $23.00 ₱ doz. $60.00 ₱ doz. $24.00 ₱ doz. $24.00 ₱ doz. $24.00
Crown Jewel, japan finish, ₱ doz $19.00
Crown Jewel, nickel, ₱ doz. $21.00
Furniture Protector, Japan.....₱ doz. $24.00
Furniture Protector, Nickel.....₱ doz. $27.00
Grand Rapids, Jap...₱ doz. $20.00
Grand Rapids, Nick..₱ doz. $2 .00
Housewife's Delight..₱ doz. $15.00
Parlor Queen, Jap...₱ doz. $24.00
Parlor Queen, Nickel, ₱ doz. $27.00
Standard.....₱ doz. $24.00
Lots of 5 dozen $1.00 per doz. less.

TOY LINE—

Baby.....₱ dos. $2.50
Child's.....₱ doz. $3.00
Little Jewel.....₱ doz. $7 00
Little Queen.....₱ dos. $4.00
Miser.....₱ doz. $9.00
Quantity rebates on application.

Casters—

Bed.....60&10&10@70%
Deep Socket.....60@ 0& 0%
Giant Truck Casters.....35%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%
Martin's Patent (Phœnix). 60@60&5%
Plate.....60&10&10@70%
Socket Truck Casters..45&10@ 5& 10&10%
Stationary Truck Casters.....50&10%
Store Truck.....55%
Swivel Truck.....60&10&10%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50&5%
Yale Gem.....70&10&5%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@ 70&10&10%
Peck, Stow & W. Co.....60%
Sargent's.....70&10@70&10&10%

COW TIES—

American.....33&10%

Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Steel.....33⅓%
Triumph.....33⅓%

Chain—

American Coil, Ass'n base prices.

3-16	¼	5-16	⅜	7-16	½	⅝	¾
$6.65	5.85	4.25	3.85	3.50	3.35	3.15	3.05

Covert Saddlery Works:
Breast Chain.....60&20%
Hitching Chain.....6 &20%
Rein Chain.....60&20%
Covert Mfg Co. Chains.....45%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Galvanized Pump Chain, with Buckets.....5@5½c
German Coil.....60&10&10%
German Halter Chain....60&10&7 %
Jack Chain, Iron.....70@70&5%
Jack Chain, Brass.....70@70&5%
Oneida Halter Chain.....60@60&10%
Plumbers.....60%
Trace, Wagon and Fancy Chains, 60&10@60&10&10%

Cherry Stoners—

Enterprise.....35%

Chisels—

SOCKET FRAMING AND FIRMER—

Buck Bros.....30%
Charles Buck.....30%
Douglass.....75@75&10%
Hinsdale.....
Mix.....
Ohio Tool Co.....
P. S. & W.....
Sag Harbor Tool Co.....
Swan.....
Winsted Edge Tool Co.....
} 75&10 &5%
C. E. Jennings & Co. No 70....25&10%
Jennings & Griffin Mfg. Co....75&5%
Merrill & Wilder.....60&10%

TANGED AND MISCELLANEOUS—

Rex.....60&10%
Buck Bros.....30%
Butchers'.....$4.75@$5.00 to $
Cold Chisels, good quality, ₱ lb 14c@16c
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges.....40&10%
Spear & Jackson's.....25 to $
Tanged Firmers'.....50@50&10%

Chucks—

Beach Pat....each $3.00.....30%
Cushman's:
Combination.....40%
Independent.....50%
Morse's Adjustable, each $7.00...25%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....40%
Skinner's Pat. Comb. Chuck.....40%
Union Mfg. Co.:
Combination.....40%
Independent.....40%
Universal.....40%
Victor, No 1, $3.50; No. 2, $12.50.25%

Clamps—

Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearns'....30@30&10%
Cabinet Makers, Sargent's...45&10%
Carpenters', Cincinnati .25&10%
Carriage Makers', Sargent's.. 50&10@50&10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
R. I. Tool Co.'s Wrought Iron....25%
Smith's:
Eccentric.....25%
Splicing.....25%
Splicing Tools.....25%
Warner's.....40&10@40&10&5%

Cleaners, Sidewalk—

Challenge Shank.....₱ doz. $3.25
Star Shank.....₱ doz. $3.50
Star Socket.....₱ doz. $3.75

Clips—

Norway Axle.....70@70&10%
Norway Spring Bar Clips. 70@70&10%
Superior Axle Clips.....70&10@75%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....25%
National.....30
The Swift, Lane Bros.....33⅓%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%

Compasses, Dividers, &c.—

Athol Calipers and Dividers.....40%
Bemis & Call Co.'s:
Compasses.....50&5%
Dividers.....65%
Compasses, Calipers, Dividers. 70@70&10%
Wm. Johnson's:
Extension Dividers.....40%
Inside, Outside and Double.....70%
Registering.....50%
Wing Calipers.....70%
Wing Dividers.....75%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%

Coopers' Tools—

Bradley's.....30%
Barton's.....30@30&5%
Beatty's.....33⅓%
L. & I. J. White.....30@30&5%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....30%

Corkscrews—

Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....40%
Humason & Beckley Mfg Co. 40& 10@50%
Samson.....₱ dos $10.00
Williamson's.....40%

Corn Hooks—

Kretsinger Cut-Easy, ₱ dos. $3.00 net

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—

Adjustable.....30%
Counte sink Bits.....40&10%
Shepardson's Diamond.....40@45%
Smith's.....25%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....30%
Dixon's
Eclipse.....₱ gro. $3.75
Emerald.....₱ gro. 5.00
Oriole.....₱ gro. 5.00
Rainbow.....₱ gro. 2.81
Solid.....₱ gro. 7.50

Curry Combs—

Fiton's, List Nov. 20, '96.....25&10%
Perfect.....30&10%
Rubber, ₱ dos. $7.50.....20@20&10%
Southington Cutlery Co.'s List, Nov. '96.....25&10%

Cycle Hangers—

Lane's.....33⅓&5%

Diggers—

See Post Hole, etc.

Dog Collars—

Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%
Medford Fancy Goods Co. list. 40& 10@50%
Union Hardware Co. New List. 50&50&10%

Door Checks—

Bardsley's.....30%
Eclipse.....60@60&10%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

Door Springs—

Champion (Coil)...50&10@50&10&10%
Foster's (Coil).....30%
Gem (Coil), list Oct. '95.....25%
Rubber, complete, ₱ dos. $5.50. 66⅔@70%
Star (Coil), list Oct. '95..... 33⅓&10%
Torrey's Rod, 39 in, ₱ dos $1 2@1.35
Victor, Coil.....60&10@60&10&5%
Warner's.....55@55&10%

Drawer Pulls—

Sargent's List.....30%

Drawing Knives—

Adjustable Handle.....40@40&10%
Bradley's.....35%
Douglass.....75@75&10%
Jennings & Griffin.....75&5%
Merrill & Wilder.....60&10%
Mix.....
New Haven.....
P. S. & W.....
Witherby.....
} 75& 10& 5%
Watrous.....30@30&10%
L. & I. J. White.....35&5@35%
Wilkinson's Folding.....30@35&5%

Drills and Drill Stocks—

Automatic Boring Tools..$1.75@1.85
Blacksmiths' .... each $1.75
Breast, Bartholomew's No. 12, ₱ doz $18.00
Breast, Millers Falls, each $3.00 15&10%
Breast, P. S. & W.....40&10%

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Bicast. Wilson's.....30&5%
Graves Drill Stocks.....40%
Ratchet, Billings' Dble. Acting.33⅓%
Ratchet, Ingersoll's.....25%
Ratchet, Merrill's.....20@30&5%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Parker's.....40%
Ratchet, Whitney's.....30&10%
Ratchet, Weston's.....30@25%
Stearns' Bench.....50@60&10%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

Dover (Standard Co.) No. 10 ₩ gro. $9.50
Dover Extra Heavy (Standard Co.) No 15.. ..₩ gro $31.00
Paine, Diehl & Co.'s Keystone 33⅓%
Spiral.....₩ grc. $4.25@$4.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$2.00 each, less 50%
Annunciators, $1.50 ₩ drop less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon...6'c ea., less 50%
Batteries, Medical $3.50 ea., less 50%
Batteries, Dry.....50c. ea., less 50%
Bells, Electric, 2½, 50c. ea., less 50%
Call Bell Outfit, Electric...$2.00 each, less 50%
Desk Pushes Electric..80c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Riser's Set, Electric. $1.50 each, less 50%
Floor Pushes, Electric...6 c. ea., less 50%
Gas Burners, Electric....5 c. ea., less 5 %
Gravity Batteries, $1.00 ea. less 50%
Hydrometers ..75c. each, less 50%
Incandescent Lamps..4 c. each, less 50%
Induction Coils, Telephone, 6 c. each less 50%
Lead Covered Wire No. 18, No. 16 No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Push Buttons, Wood..10c. each, less 50%
Sal Ammoniac...18c. ₩ lb. less 60%
Switches, 1 pt....20c each, less 50%
Switches, 2 pt....24c. each, less 50%
Switches, 3 pt....18c. each, less 50%
Spare Coils, 8 pt..$2.00 ea., less 50%
Spark Coils, 10 pt $2.40 ea., less 50%
Spark Coils, 12 pt.....$3.50 each, less 50%
Tape, Insulating, 8'c. ₩ lb less 50%
Tube, Speaking, $21.00 ₩ 1,000 ft. less 50%
Whistles, Speaking Tube, N P., 2.00 ₩ doz., less 50%
Whistles, Speaking Tube, Porcelain.....75c ₩ doz., less 50%
Wire Winders, $10 00 each, less 50%
Window Springs, Electric...24c. each, less 50%
Yale Lock Switch, Electric, $3.50 each, less 50%
Zincs, Leclanche...04c. ea., less 5%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ₩ lb.	4½c	5c	3c
½ kegs, ₩ lb.	4½c	5½c	3½c
¼ kegs, ₩ lb.	5c	5½c	3½c
10 lb cans, 10 in case....	6c	6½c	5½c
10 lb cans, less than 10..	10c	10c	8c

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Brass Thread.....80@80&10%
Wood.....25%

Escutcheon Pins—

Brass.....70@70&10%
Iron, list January, 1890.....60@60&5%

Farriers Knives—

"Challenge".....₩ doz. $2.00
Popes.....₩ doz. $3. 0
Wilkinson's.....₩ doz. $3.00

Faucets—

Brass Globe Cocks.....60&10%
Brass Racking.....60&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 60&10%
Bohren's Pat. Rubber Ball.....25%
Penn's Cork Stops.....6%
Pratt's Pat. Petroleum 60&10@7%
John Sommer's Boss Tin Key. ..50%
John Sommer's Chicago Cork lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Cedar (in bbls.) 50&10%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....10%
John Sommer's No Brand Metal Key.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.40%
John Sommer's Peerless Tin Key.40%
John Sommer's Reliable Cork Lined.....60%
John Sommer's W. P. Metal Key.40%
Star.....60@60&5%
Self-Measuring:
Enterprise ₩ doz. $36.00.....40%
Lane's ₩ doz. $36.00.....40%
National Specialty Mfg. Co....40%

Fibreware—

Standard Fibre-ware Co.

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Buggy Pails, 7 in. high.	2.60		
Chamber Pails, (flat cover, knob) Nos. 5 and 6x 14 qt	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt	4.50	5.50	6.00
Commode Ring, (extra for Sl p Ja s, etc.)	1.40	1.70	2.00
Cuspidors, 9x7½ inches, (anti-slip-over)	5.50	6.50	7.00
Dairy Pails, 14 qt.	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire"	3.40		
Fruit Bowls	1.20	1.70	2.00
Keelers, 11½ inch	2.30	2 80	3.10
Milk Pans	1.60	2.00	2.20
Mats, 8½ inch (for table use)	.50	1 00	1.20
Mats, 15 inch (for cuspidores, etc.)	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)	3.00	3.70	4.30
Prison Pails, 16 qt. (with cover)	6.50		
Pitchers, 10½ in. high.	4.00	4.70	5.20
Peck Measures	2.80		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Spittoons, Daisy, 8½ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers)	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers)	4.00	4.80	5.30
Water Pails, 12 qt.	$3.00	$3.50	$4.00
Waste Paper Jars	3.00	4.00	4.50
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2. 0
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in.. (or Wash B wls	2.30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4.00

Files—

DOMESTIC—

American.....75%
Arcade.....70%
Great Western.....7%
Kearney & Foot.....70&10@75%
Nicholson.....70%
Nicholson's X. F. Files.....33⅓%
Second Quality Files.....30@30&5%
Tiger.....75%
Troy File Works:
Files.....70&10%
Rasps.....70%
Victor.....75&10%

IMPORTED—

Stubs.....Stubs' list, 25@30%

Filters—

Seed's Water Filters:
A 1, No. 2, No. 3, No. 4, $4.00 $2.50 $1.50 $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....60&20%

Fluting Scissors—

List.....45%

Forks—

Champion, Hay, Manure, etc 75&15%
Columbia, Hay.....75&10%
Columbia, Manure.....8%
Columbia, Spading.....80&5%
Hay.....75%
Iowa Farming Tool Co.:
Barley.....70&40%
Manure 4 tine.....75&10 2½%
Manure 5 and 6 tine.....7 &20&5%
Spading.....75&10&2%
Victor, Hay.....75&10 5%
Victor, Manure and Header.....80%

Freezers, Ice Cream—

Blizzard.....net
Gem.....net
Granite State.....net
Improved Arctic.....net
Keystone, P. D. & Co.....20%
Ohio.....60&10%
Packer's:
Confectioner's Machine.....net
Double Action Standard.....net
Good Luck.....net
Standard.....net
Shepard's Lightning.....net
White Mountain.....net

Fry Pans—

Acme Fry Pans.....70&10%
Polished, regular goods...75@75&10%
Standard List.....75&10@8%

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Gas Lighting Burners—

Gem.....₩ d z. $2.50
In lots of 3 doz.....₩ doz. $2.25

Gauges—

Bemis & Call's Steel.....50%
Boss, Screw Pitch.....33⅓%
Clapboard.....20
Marking, Mortise, &c..60&10@60&10&10%
Stanley's.....60&10%
Stanley's Chisel.....35%
Starrett's Surface, Center and Scratch.....35&10%
Copeland Champion Bit ₩ doz $3.00 net
Stubs' Wire and Drill.....20%
Wire, Morse's.....25%
Wire, P. S & W., low list....10&10%
Wire, Wheeler, Madden & Co....10%

Gimlets—

"Bee," ₩ gr $13.....25@25&10%
Bell Hangers.....50%
"Diamond" Gimlets ₩ gr. $4.00@4.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%
"Eureka" Gimlets.60&10@60&10&5%
Metal head.....55%
Nail Gimlets:
Assorted 1, 2 and 3.....₩ gr. $1.50
Assorted 2 and 3.....₩ gr. $1 70
Pod.....50%
Star.....50%
Spike Gimlets
Assorte 1, 2 and 3.....₩ gr. $3.00
Assorted 2 and 3.....₩ gr. $3.25
Wood head.....50&10%

Glue—

Dodd's Liquid Glue.....25&25&10%
Le Pages Liquid.....25&25&10%

Glue Pots—

Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....60%
Enameled.....45@50%
Tinned.....4.@50%

Graters—

Enterprise.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
P., S. & W. Co.....50&10&10%
Russell & Erwin.....70&10%
Sargent's Patent..70&10@70&10&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
'96 List.....60&20%
Upson & Wendling.....40%
Wright's Animal Tether.....30%

Hammers—

HANDLED HAMMERS—

Atha Tool Co.....5 &10@60%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&10%
C. Hammond & Son. List..40&10@50%
Humason & Beckley.....50@50&10%
Dunlap's Patent.....25%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40&10%
Maydole's.....33⅓&5@40&5&5%
Peck, Stow & Wilcox.....40@40&5%
Fayette R. Plumb:
Artisan's Choice, A. E. Nail.. 40&12½%
Engineers & B S. Hand.... 0&15%
Y. & P., A. E. Nail.....40&12½%
Other Brands.....10& 0@6%
Sargent's New List.....45@50%
Verree.....50&10@50%
Warner & Nobles New List..25&10%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb...₩ lb 4c
3 to 5 lb.....₩ lb 3½c } 75@75&10%
Over 5 lb.....₩ lb 3c

Wilkinson's Smiths....9½c@10c₩ lb

Hammock Ropes—

Covert Mfg Co.....45%
Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—

Chest Handles, Sargent's..50&10@50&10&10%
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.08	1.35	1.50

60&10@70%
Drawer Handles.....60%
Ring Handles.....70%
Roggin's Latches.....50&10@60%
Shelf Box Handles.....65%
Trunk Handles.....60%
Tub Handles.....60&10%

STORE DOOR HANDLES.—

Bronzed, with Cylinder Lock...50%
Bronzed.....60&10@65⅔%
Japanned, with Nuts.....$1.62
Japanned with Plate.....$1.10
Japanned, without Plate.....80c

DOOR PULL—

Bar.....60@60&10%
Barn Door.....50&10%
Chest and Lifting.....60@60&10%
Drawer Pulls.....50&10@60%
Plain B. M.....60@ 0&10%
Push Plates, Sargent's List..60@ 0 10%
Sash Pull Plates.....70&10%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%

WOOD—

Auger, assorted.....₩ gr. $2.25@2.50
Auger, large.....₩ gr. $.@3.25
Auger, Douglass', Pat. ₩ set, No. 1, $1.00; No. 2, $1.40
Auger Ives', Pat. No. 1, 60&10% No. 2 to 33⅓%.....40%
Auger, Swan's, Pat. ₩ set, No. 3, $1.00; No. 4, $1.25.....35&10%
Brad Awl.....₩ gr. $1.75@2.00
Chisel Worcester Leather Cap'd 1.50
File, assorted.....₩ gr. $1.25@1.40
Firmer Chisel, Apple ass'd ₩ gr. $2.25@2.50
Firmer Chisel, Apple large ₩ gr. $2.7 @3.00
Firmer Chisel, Hickory ass'd ₩ gr. $2.0 @3.25
Firmer Chisel, Hickory, large, ₩ gr. $2.5 @2.75
Firmer Chisel, Socket ass'd ₩ gr. $2 0@2.25
Hammer, Hatchet, Axe, Sledge, etc.....0&25
Hoe, Rake and Fork 60&10@60&10&5%
Saw and Plane.....40&10@50%
Shovel and Spade, Wood D idle. 60@60&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....60&10@ 6 &10&10%
Barn Door, New England.70@70&10%
Barry, $6.00.....50&10%
Best Anti-Friction.60&10@60&10&5%
Challenge, Barn Door.....50%
Cronk's Roller Bearing, No. 4, $18.00; No. 5, $26.00.....60&10&10%
Cronk's Steel cov'd Loose Axle. 60&10&10%
Davis Parlor Door.....50@50&5%
Duplex (Wood Track).....60&10&5%
Kidder's.....50@50&10%
Lanes Barn Door:
Covered.....60&10%
No. 50.....6 &5%
New Model.....4 &10%
Parlor, Standard.....4 &10%
Standard.....60&10%
McKinney's "None Better," No 2, $18.00; No. 1 Special $1.00, ₩ dozen pairs.....60&10%
Reed's Steel Arm.....50%
Rider & Wooster, No. 1, 63½c.; No. 2, 75c.....40%
Richards' Single Track, Steel.50&10%
Star.....50&10&10%
Stearns' Challenge.....50@50&5%
Sterling's Impr'd.60&10@60&10&10%
Stowell Barn Door.
Badger.....0&10%
Climax.....5&%
Interstate.....60&15%
Magic.....50%
Matchless Covered.....60& 0%
Wild West.....5%
Zenith.....55%
Earrage Car Door.....33⅓%
Elevator.....40%
Railroad.....55%
Terry Ideal.....60&10%
Terry's Modern.....6%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
The Boss.....60&10@60&10&5%
Universal Anti-Friction.....40%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4, $35.00.60&10&2½%
Warner's Pat.....30&10&10%

Harness Snaps—

See Snaps.

Hasps and Staples—

McKinney's "Perfect," $1.10 ₩ doz.....40&10%
Wrought.....85&10@85&10&5%

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Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—
Auburn Hay, Com. and Spear Point 50%
Auburn Straw 40%
Lightning, from jobbers $6.00@$6.25
Wadsworth's ..... 40&5@40&5&7½%

Hedge Shears—
Wm. Wilkinson & Sons 50%

Hinges—
WROUGHT IRON HINGES—
Corrugated Strap and T ..... 75@75&5%
Rolled Blind Hinges Nos. 33 and 34 50&10@50&10&5%
Rolled Plate ..... 70&10@70&10&5%
Rolled Raised ..... 70&10@70&10&5%
Plate Hinges "Providence" 6 to 12 in. ₩ D., 5c. 14 to 36 in. ₩ D., 4c.
Screw Hook and Strap. 6 to 12 in., ₩ D., 2½c; 14 to 20 in., ₩ D., 2¾c; 22 to 36 in., ₩ D., 2 c
Strap and T ..... 70@75&5%
SPRING HINGES—
Acme ..... 30@10%
American 30%
Bommer's 40%
Bardsley's Patent Checking 15%
Chicago 30%
Crown 30%
Champion 60%
Devore's No. 1 ..... ₩ gr. $12.00
Geer's Spring and Blank Butts 40%
Gem ..... 30&10%
Kell's American 30%
Matchless No. 10 ..... 70%
New Idea, No. 1, ₩ gro. $7.50
New Idea, No. 2, ₩ gro. $18.00
Oxford ..... 30&10%
Rex ..... ₩ gr. $12.00
Royal Japanned 66⅔%
Rubber 66⅔%
Sargent's List 1894:
Bronze Metal ..... 75&10%
Japanned Surface, Single ..... 70&10%
Japanned Surface, Double ..... 60&10%
Mortise 55%
Model ..... 70@70&10&10%
Tuscan Surface, Single 70%
Tuscan Surface, Double 70%
Vigilant ..... 50&10@50&10&10%
Union Spring Hinge Co.'s list, March, 1894 ..... 30%
Union Mfg. Co. 25%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $13.00

GATE HINGES—
Automatic ..... ₩ doz $12.50, 50%
Common Sense ..... ₩ doz pair $4.50, 50%
Clark's Nos. 1, 2, 3 ..... 70&10&5%
Long's Self Closing 60%
N. E. ..... ₩ doz $7.50 ..... 60@60&10%
N. E. Reversible ..... ₩ doz $5.50 60@60&10%
N. Y. State ..... ₩ doz $4.90 ..... 60@60&10%
Reed's Latch and Hinges ..... ₩ doz $13.00, 50%
Seymour's ..... 45&10%
Shepard's Nos. 1, 2, 3, 60&10@60&10&5%
Western, ₩ doz $4.80 ..... 60@60&10%

BLIND HINGES—
Clark's:
Lull & Porter, Nos. 0, 1, 1¼, 2, 2½, 3 ..... 60&10%
Mortise Gravity 50%
Nos. 1, 3, 5 ..... 60&10%
Nos. 40 and 50 ..... 30%
Huffer 65%
Parker ..... 75@75&10%
Sargent's Nos. 1, 2, 3, 11, 12, 75@75&10%
Shepard's or Wrightsville Hdwe. Co.:
Acme Lull & Porter ..... 60&10%
Buffalo Gravity Locking, Nos. 1, 3 and 5 ..... 60&10&5%
Champion Gravity Locking Nos. 7 ..... 60&10&10%
1838, Old Pat'n, Nos. 1, 3 and 5, ... 60&10%
Tip Pattern, Nos. 1, 3 and 5, ... 60&10&5%
Double Locking, Nos. 20 and 25 ..... 75%
Empire, Nos. 10 and 10½ 80%
Niagara Gravity Locking, Nos 1, 3 and 5 ..... 80&10%
Noiseless, Nos. 50, 60, 65 and 5.80%
O. S. Lull & Porter ..... 80& 0 &5%
Pioneer, Nos. 060, 45 and 5½ 75 5%
Steam Boat Gravity Locking, No. 10 ..... 80&10&5%
Stranger's Noiseless 75%
Mortise Gravity 50%
Stanley's Steel Gravity Blind Hinges, ₩ doz. sets $1.80 ..... 40&10%

Hitching Cords—
Covert Mfg. Co. 45%

Hoes—
HANDLED—
Crescent Cultivator, 6 in. ₩ doz. $3.75 net
Crescent Cultivator, 7 in. ₩ doz. $4.10 net
Crescent Double-Bit ..... doz. $4.00 net
Cruciole Cut-Easy ..... ₩ doz. $4.50 net
Cotton ..... 8 & 12½%
Dunlap's Boys', Ladies', Toy 30%
Garden, Mortar, &c. ..... 75 & 25%
Iowa Crucible Socket ..... 75&25%
Magic ..... ₩ doz $4.00
Mattock Hoe ..... ₩ doz. $4.00 net
Planter's ..... 30&20%
Texas Cut Easy ..... ₩ doz. $4.25 net
Warren Hoe ..... 60&10%

RYE—
American Axe & Tool Co. 70%
Grub ..... 60&10@70&5%
Lane's:
Crescent Planters Pat. ..... 45&5%
Razor Blade, Scovil Pat. ..... 30&5%
Sandusky Tool Co., S. & O. Pat. 60@60&10%
D. & H. Scovil ..... 30@30%

Hog Rings and Ringers—
Hill's:
Rings ..... ₩ gr. boxes ..... $3.60@$4.00
Ringers ..... ₩ doz. 50@65c
Perfect Rings ..... ₩ gro. 90c
Perfect Ringers ..... ₩ doz. $1.00

Hollow Ware—
IRON—
Granite and Agate-Ware ..... 40&10%
Ironclad Enameled-Ware ..... 60&10&10%
Rustless Hollow-Ware ..... 50@50&5%
Stove Hollow-ware
Ground ..... 60&10&10@70%
Unground ..... 70&5@75%
White Enameled Ware:
Boilers and Saucepans ..... 62½@65%
Maslin Kettles ..... 75&5@75&10&5%
Tinned Boilers and Saucepans ..... 60&5@60&10%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Hartford Silver-Plate Co. ..... 40&5%
Holmes & Edwards Silver Co. 40&1 &5%
Meriden Britannia Co. ..... 40&5%
Reed & Barton ..... 40&5%
Rogers & Brother ..... 40&5%
Simpson, Hall, Miller & Co. ..... 40&5%
William Rogers Mfg. Co. ..... 40&10%

Hooks—
BUSH—
Jennings & Griffin's ..... 40&10%
Light ₩ doz. $5.00 Medium ₩ doz. $5.50; Heavy $6.00

CAST IRON—
Bird Cage, Sargent's list ..... 60&10&10%
Bird Cage, Reading ..... 60@60&10%
Bird Cage, Williamson 50%
Ceiling, Sargent's list ..... 50&10%
Chandelier 70%
Clothes Line, Sargent's list ..... 5 &10%
Coat and Hat, Sargent's list ..... 50&10%
Coat and Hat, Reading ..... 60&10%
Coat and Hat, Stowell's 70%
Harness, Sargent's list ..... 50@50&10%
Lamp 55%
Picture 75%
Screw Hat 70%
Wardrobe 55%

WROUGHT IRON—
Cotton ..... ₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works 30%
Hammock Hooks, E. C. Stearns, ₩ doz. 60c
Picture, T. & S. Mfg. Co. 75%
Tassel, T. & S. Mfg. Co ..... 50&10%
Wrought Staples, Hooks, &c. See Wrought Goods.

MEAT—
Enterprise 33⅓%
Wm. Johnson's:
8 in. ..... ₩ doz. $2.20 net
10 in. ..... ₩ doz. $2.70 net

WIRE—
Atlas Coat and Hat ..... 50@50&10%
Belt ..... 80@80&10%
Handy Coat and Hat 70%
Steady Ceiling 70%
Wire Coat and Hat, Acme ..... 60&10%
Wire Coat and Hat, Gem 70%
Wire Coat and Hat, Standard 45%

MISCELLANEOUS—
Carpenter's Anc. Grass Hooks, ₩ doz. $4.00
Covert's Saddlery Works:
Self-locking Gate and Door Hooks ..... 60&20%
Dunlap's Merchandise 25%
Grass, No. 2, $1.6 ; 3, $1.80; 4, $2.00
Hooks and Eyes—Brass ..... 70&10%
Hooks and Eyes—Mal. Iron 75%
Wm. Johnson's Cotton, Box and Hay 60%
Stowell's:
Clothes Line 70%
Harness 70%
Hotel & School House 70%
Whiffletree ..... ₩ D 4½c

Horse Nails—

	Nos. 6	7	8	9	10
A. C.	25c	23c	22c	21c	21c.

40&10%
American, all sizes, 9½@10c ..... net
Ausable ..... 26c 26c 25c 24c 23c. 40&10&5%
Anchor ..... 23c 21c 20c 19c 18c 40%
C. S. K. 25c 23c 23c 21c. 21c 40%
Capewell ..... 19c 18c 17c 15c 15c. 10&5%
Champlain ..... 23c 23c 25c 24c 23c 40&5&2%
Clinton Fin. 19c 17c 15c 15c 14c. 30&10&5%
Empire Bronzed 10c
Essex ..... 23c 23c 23c 24c 23c. 40&10@50%
Lyra ..... 9½c 9½c 9½c 9½c 9½c., net
Maud S ..... 23c 23c 23c 21c. 21c 50&10&5%

	Nos. 6	7	8	9	10
Northw't'n.	25c	23c	23c	21c	20c.

25@25&5%
Putnam ..... 23c 21c 20c 19c 18c 25%
Snowden, 9½c 9½c 9½c 9½c 9½c., net
Vulcan ..... 23c 21c 20c 19c 18c 25%
Western, 5 to 10d 9c

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co. 45%

Hose, Rubber—
Boston Belting Co.:
"Boston" ..... 50&10&5%
"Imperial" ..... 40&10%
Competition ..... 75@75&10%
Extra ..... 60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para ..... 40&10%
Reliable ..... 50&10%
Staple ..... 60&10%
Standard ..... 70&10@70&10&5%

Ice Awls, Chippers, &c.—
Copeland Ice Pick ..... ₩ gr $9.00 net
Crown ..... net
Dunlap's:
No. 1 ..... $3.50 per doz 20%
No. 20 ..... $12.00 per doz 20%
Gem Ice Shave ..... net
Sargent's Ice Awls 55%
Star ..... net

Ice Shredders—
Enterprise, No. 33, ₩ doz. $7.20 ..... 25%
No. 34 ..... ₩ doz. $15.00 ..... 25%

Jack Screws—
See Screws.

Kettles—
Spun Brass, Plain ..... 15@20%
Spun Brass, plated inside with White Metal ..... 10@15%

Knives—
Ames':
Bread Knives. ₩ doz. $1.50 ..... 20@25%
Butcher Knives ..... 25@25&10%
Shoe Knives ..... 30@30%
Dunlap Kitchen and Bread Knives 25%
Foster Bros.' Butcher, &c. 40%
Goodell's:
Bread Knives Ass'n list ..... net
Butcher 25%
Shoe Knives 40%
Hay and Straw, see Hay Knives.
Nichols' Butcher Knives 50%
Table and Pocket, see Cutlery
Wilson's Butcher Knives ..... 25@25&5%

Knobs—
Bardsley's Wood Door, Shutter and Base 15%
Base, Rubber Tip, 2¼ in. Bead, ₩ gr. ..... $1.25@$1.50
Carriage, Jap ..... ₩ gro. 80c, 60&10%
Door Knobs, Hemacite ..... 50&10%
Door Mineral ..... ₩ doz. 55@60c
Door Por. Jap'd ..... ₩ doz. 65@70c
Door Por. Nickel ..... ₩ doz. $1.70@1.80
Drawer, Porcelain ..... 60&10@60&10&10%
Picture, Hemacite ..... 50&10%
Picture, Judd's ..... 50&10&10%
Picture, Sargent's ..... 70&10%
Shutter, Porcelain 70%
Yale & Towne Wood, list Dec. '95. 40%

Ladles, Melting—
Monroe's Pat. ..... ₩ doz $4.00, 40%
P. S. & W. ..... 35&10@40%
Reading ..... 50&10%
Sargent's ..... 60@60&10%
Warner's 30%

Lanterns—
Buhl Stamping Co:
No. 110 Buhl Tubular Headlight, ₩ doz. list $30.00
No. 15 Buhl Side Lever, ₩ doz. list $7.50
No. 10 Buhl Improved Regular, ₩ doz. list $7.00
No. 20 Buhl Square Top Lift, No. 2, ₩ doz. list $11.00
No. 50 Buhl Dash Reflector, ₩ doz. list ..... $ 0.00
No. 20 Buhl Dash Reflector, No. 2, ₩ doz. list $17.00
Discount ..... 40&5%

Latches—
Cronk's Sliding Door 60%
Lane's Barn Door 40%

Lawn Mowers—
Champion ..... 75&10%
Continental ..... 60&10%
Drexel Cheap Mowers ..... net
Enterprise 40%
Genuine Philadelphia Mowers:
C. K. L. ..... 70&10%
Styles A and E ..... 60&10%
Styles, D., D. O. W., M., S., T. ..... 70&10%
Great American ..... 70&10%
Imperial ..... 60&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%
New Easy ..... 60&10@60&10&10%
New York ..... 60&5%
Pennsylvania ..... 60&10%
Rapid Transit ..... 70&10&10%
Standard ..... 60&5%
Sunbeam ..... 60&10%

Lawn Sprinklers—
Enterprise 25%
Gibbs' Arc ..... ₩ doz. $10.00
Gibbs' Hustler ..... ₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler:

No. 1.	No. 2.	No. 3.
₩ doz. $12.00	$15.00	$24.00 .25%

Lemon Squeezers—
Berger Bros. ₩ doz. 3-in. $1.00; 10-in. $1.40 ..... 30%
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.25 3, $1.65; Queen $3.50 net.
Dunlap's Improved ₩ doz. $3.75 20%
Hotchkiss, Straight Flush ₩ doz. $6.00
Jennings' Star ..... ₩ doz. $1.90@$2.10
Little Giant ..... 50@50&5%
Porc. Lined, Iron ..... $3.25@$3.50
Porc. Lined, Wood ..... ₩ doz. $6.00 $4.50@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.

Letter Box Plates—
Name Door Plate ..... 50@50&10%
Name Plate 70%
Number Door Plate ..... 60@60&10%
Sargent's ..... 60&10@70%

Levels—
C. E. Jennings & Co.'s:
Hexagon ..... 25&10%
Iron Bench, new design ..... 25&10%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's 50%
Cotton Chalk, 50 feet ..... 60&10%
Cotton Trot 33⅓%
Mason's:
Colored Cotton ..... 40&10%
Flax ..... 40&10%
No. 0 to 5 ..... 25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50 ..... 10%
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro. 25%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz. $7.50, 20%
Wire Clothes, 100 feet, No. 18, $2.25; No. 19, $2.00; No. 20, $1.75

Locks—
DOOR LOCKS, LATCHES, &c.—
Barnes Mfg Co. ..... 40@40&10%
Branford Lock Co. ..... net prices
Brooklyn Latches ..... 50&10%
Champion Night Latches 40%
Dietz Flat Key 30%
Mallory, Wheeler & Co. ..... 60&10@70%
Norwalk Lock Co. ..... 60&10%
Plate 33⅓%
R. & E. Mfg. Co. ..... 60&10@70%
Reading Hdw. Co. ..... 60@60&10%
Romer's Night Latches ..... 30&5%
Sargent & Co. ..... 60&10@60&10&10%
Slaymaker, Barry Co.'s:
Corrugated Key Latch ..... 35&5%
All other Night Latches 40%
Yale ..... net prices

CABINET—
Barnes Mfg. Co. ..... 40@40&10%
Dietz:
Nos. 22 to 30 ..... 40%
Nos. 41 to 75 ..... 45%
Nos. 87 to 96 ..... 30%
Eagle Lock Co. ..... 45&2%
Charles Parker Co. ..... 45&2%
Romer's 25%
Stoddard Lock Co. ..... 30@30&5%
Yale ..... 45&2%

PADLOCKS—
Acme Bicycle and Satchel per doz. $9.00 ..... 40%
Ames Sword Co. 40%
Barnes Mfg. Co. ..... 50@50&10%
Champion 40%
A. E. Dietz 40%
Eagle 40%
Eureka, Eagle Lock Co. ..... 40&2%
Gem, Corbin's ..... 40&2%
Romer's Nos. 0 to 31 ..... 40&5%
Scandinavian ..... 30&40@30&40&10%
Smith & Egge Bicycle 30%
Wrought Iron ..... 75@80%
Yale Lock Co. ..... net prices

TRUNK—
Corbin's 25%
Eagle 25%

Mallets—
Sargent's List
Hickory ..... 50@25&10%
Lignumvitæ ..... 50@25&10%
Raw-Hide ..... 40&10%

Mattocks—
Regular list ..... 70@70&10%

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Meat Cutters—

American.....30%
Nos. 1 2 3 4 B 5
Each. $5 $7 $10 $25 $50 $60
Beef Shavers (Enterprise).....30%
Chadborn's Smoked Beef Cutter, ₩ doz $60.00
Dixon's.....₩ doz 33⅓%
Nos. 1 2 3 4
$14 $17 $19 $30
Enterprise.....35%
Nos. 10 12 22 32 42
Each. $2 $2.50 $4 $6 $15
Hales Pattern ₩ doz.....70@70&5%
Nos. 11 12 13
$27 $33 $45
House No. 1..₩ doz $36.....60%
Little Giant.....50&10%
Nos. 205 210 213 220 223
$35 $43 $44 $72 $68
Miles' Challenge ₩ doz...45@45&10%
Nos. 1 2 3
$25 $30 $40
Perfection.....net
Woodruff's ₩ doz.....33⅓%
Nos. 100 150
$15 $18

Metals, Anti-Friction—

Magnolia Metal Co.:
Magnolia, Anti-Friction, ₩ lb..25c
No Name.....₩ lb..18c
Mystic.....₩ lb.. 8c
f. o. b. New York or Chicago.

Molasses Gates—

Enterprise.....30%

Mop Wringers—

Matchless (Canton, O.), ₩ doz.$12.00

Nails—

WIRE AND CUT NAILS—

See Trade Report for quotations.
Wire Nails and Brads, Papered, Ass'n list, May 1, 1893.....67½%
Grand Crossing Tack Co. List:
Wire Brads.....80%
Wire Nails.....80%

PICTURE—

Brass Head. Combination list, 50& 10%
Brass Head. Sargent's list, 70&10@ 70&10&5%
Niles' Patent.....40%
Porcelain Head, Comb'n list..40&10%
Porcelain Head, Sargent's list, 50& 10%

FURNITURE—

Antique Bronze.....10%
China.....35%
Fire Gilt.....10%
Plain.....40%

Nail Pullers—

Black Hawk, per doz.....$9.00
Giant. No. 1, ₩ doz $18.00; No. 1½, $16.50; No. 2, $15.00.....30&5%
Lightning.....₩ doz $18.00, 20%
National.....40%
Pelican.....₩ doz $9.00, 15&10%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Buck Bros.....27½%
Cannon's Diam'd Point ₩ gr.$12, 25%
Dunlap's.....20%
Humason's.....50&10%
Hunters' Cup Point Knurled.... ₩ gro. $10.00
Hunters' Cup Point, Plain.... ₩ gro. $9.00
Round, assorted.....₩ gr. $3.00@3.25
Square.....₩ gr. $4.00@4.25

Nippers—

Acme.....50%
Smith's Cutting.....50%
Todd's Cutting.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..40%
Turner & Seymour Mfg. Co.....60%

Nuts—

Cold Punched, Square, off list. $5 40
Hex, off list.....$5 70
Hot Pressed, Square, off list..$5.90
Hex, off list.....$6.70
Tapped.....60%

Oilers—

Brass and Copper.....50&10%
Cushman & Denison's:
Pocket Oilers.....₩ doz. $1.55
Star Pocket Oilers.....75
Draper's:
Brass.....70&10%
Steel.....70&10%
Malleable. Hammers, New Style, 10@10&5%
Malleable, Hammers, Old Pattern, same list.....50&10%
"Paragon," Brass.....50&10@60%
"Paragon," Zinc.....70@70&10%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....75%
Zinc and Tin.....70&10@75%

Oil Stones, etc.—

OIL STONES—

Pikes Washita:
Lily White, ₩ lb.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ lb.....50
No. 1.....40
No. 2.....30

Pike's Washita Round Edge Slips: 3 to 5x1¼ to 3⅝ to ⅝ at back, ½ to 5-16 edge ₩ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb.....70
Discount 33⅓%.

Pike's Washita Mounted No. 1:
6x2, ₩ doz.....$12.00
7x2, " 11 00
6x3, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.

Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ lb..... .35
" 2x2x¼, extra selected.. .40
Discount 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanizing, per lb 70c.....40%
Boston "Phoenix" Red Sheet, per lb.....50c.net
Extra.....60&5@60&10&5%
Standard. Fair Quality..70&10@75%

MISCELLANEOUS—

American Packing.....9c@10c ₩ lb
Cotton Packing.....14c@15c ₩ lb
Italian Packing.....12c@14c ₩ lb
Jute.....6c@7c ₩ lb
Russian Packing.....13c@14c ₩ lb

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1868.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Gold Medal.....₩ doz 4.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ doz..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 12.50
New Lightning.....₩ doz 5.50
Oriole.....₩ doz 4.00
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Reading, '73.....₩ doz 4.00
Reading, '78.....₩ doz 7.00
Rocking Table.....₩ doz 5.50
Scott's Pat. Rotary, ₩ doz $15.00, 20%
Turntable.....₩ doz 4.50
Victor.....₩ doz 12.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00

POTATO—

Antrim Combination.....₩ doz 5.50
Hoosier.....₩ doz 12.50
Saratoga.....₩ doz 5.50
White Mountain.....₩ doz $4.50

Pencils—

Dixon's:
Carpenters'.....₩ gr. $4.00@7.50
Carpenter, Yellow or Brown Lead.....₩ gro. 9.00
Lead.....₩ gro $4.50
Lumber.....₩ gro. 6.37
Mascot, Hexagon.....₩ gro. 4.38
Mascot, Round.....₩ gro. 3.10

Picks—

Railroad or Adze Eye, 5 to 6, $13.00; 6 to 7, $12.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Bailey's (Stanley R. & L. Co.) 50&10@50&10&10%
Bench, First Quality.....55%
Bench, Second Quality....60@60&10%
Fales Bench.....25%
C. E. Jennings & Co.....50&10%
Molding.....50%

IRON PLANES—

Chaplin's Iron Planes.....50&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..35%
C. E. Jennings & Co.'s Iron.....5 & 10%
Meriden Mal. Iron Co.'s..40@40&10%
Sargent's.....60@60&10%
Siegley's:
Bench.....40%
Combination, each.....$4 50 net
Standard Tool Co.....50@50&5%
Stanley Rule & Level Co.:
Bailey's..50&10&10@50&10&10&5%
Miscellaneous.....35&10%
Steer's Iron Planes..50&10@50&10&5

PLANE IRONS—

Auburn "Thistle".....
Ohio.....
Sandusky.....
} 30&10@40%
Buck Bros.....30%
Butcher's.....$5.00@$5.25 to $
Hinsdale.....35&10%
C. E. Jennings & Co.....35&10%
Stanley Rule & Level Co.....50&10%
L. & I. J. White.....30&5@35%

Pliers and Nippers—

Button's.....70&10@70&10&5%
Carew's Pat. Wire Cutters.....25%
Cronk's:
Button Pattern.....70%
Gas Pliers, No. 100.....40%
Stubb's Pat Pliers.....50%
Hall's Nippers, ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00....40&10%
Hall's Pliers.....10%
Humason & Beckley Mfg. Co.50@50 &10%
Wm. Johnson's Gas Pliers.....66⅔%
Morrill's Parallel, ₩ doz $13.00 30&5%
Smith's Side Cutting.....25%
Stube'.....20%
Swiss Pliers.....25%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%

Plumbs and Levels—

Cook's.....40&10&10%
Davis':
Inclinometers.....20%
Iron Levels.....35&10%
Disston's.....50%
Wm. Johnson's.....75%
Plumb Bobs.....40%
Pocket Levels.....70&10&10@75&10%
Stanley's.....75&10&10%
Stanley's Duplex.....35& 0%
Wood's Extension Sight.....33⅓%

Poachers—

See Egg Poachers.

Police Goods—

J. P. Lovell's Police Goods.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $30.00 ₩ doz.....10%
Tower & Lyon's.....25%

Polish, Metal—

Prestoline Liquid, New List.....40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Dixon's Plumbago.....₩ lb 8c
Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75

Poppers, Corn—

Round or square, 1 qt., ₩ doz. $ .75; ₩ gr. $8.50 } 10@
1½ qt. ₩ doz. $ .85; ₩ gr. $9.00 } 15%
2 qt., ₩ doz. $1.15; ₩ gr. $13 00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3 00; 2 qt., $4 00.....33⅓%

Post Hole Diggers—

Ryan's.....₩ doz., $20.00, 25%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Cronk's Pruning Shears.....33⅓%
Disston's Combined Pruning Hook and Saw..₩ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Dunlap's Saw and Chisel.....₩ doz $8.50, 30%
Henry's Pruning Shears ₩ doz $3.50@$3.75
E. S. Lee & Co.'s Pruning Tools.40%
P. S. & W. Co.'s Shears.....60%
Pruning Shears, Henry's Pat. ₩ doz.....$3.50@3.75
Waters Tree Pruners.....75&10%
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%

Pulleys

Awning.....60@60&10%
Axle.....60&10@60&10 10%
Brass Screw.....66⅔@ 0%
Ceiling.....60@60 60%
Clothes Line, Japanned..60@60&10%
Common Sense.....60%
Dumb Waiter.....60@60&10%
Empire Sash Pulley.....60%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%
Hot House.....50&10@50&10&10%
Stowell's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%
Side. Anti-Friction.....50%
Shade Rack.....45%
Upright.....50&10@50&10&10%

Pumps—

Cistern, Best grades..65&10@70&10%
Pitcher Spout, Best grades 75&10@80%
Pitcher Spout, Cheaper Goods. 80&5@80&10%

F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig. 333, 3 in. Deep Well Pump.....$15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No. 103, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 403, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 405, Regulator Pump.....$30.00
No. 260 Fig. 484, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 572, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 330 Fig. 492, Bucket Spray Pump.....$5.50
No. 33 , Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% f. o. b. Ashland.

Punches—

Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Bemis & Call Co.'s:
Cast Steel Drive.....50@55%
Check.....55%
Spring.....50&5%
Springfield Socket.....65%
Morrill's Universal.....35%
Niagara Hollow.....45%
Niagara Solid.....55%
Rand's Centering Marking Tool..25%
Rice's Hand.....15%
Saddlers' or Drive, good ₩ doz..60@65%
Spring, good quality, ₩ doz $1.70@1.80
Spring, Leach's Pat.....15%
Tinners' Solid, P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow, P. S. & W. Co 20&2½

Rail—

Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.95 2.80
Barn Door, "None Better" No. 1, ₩ foot.....2¾c
Barn Door, "None Better" No. 2, ₩ foot.....3¼c
B. D. for N. E. Hangers: Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Carrier Steel Rail, ₩ foot.....4½c
Cronk's:
Competition.....₩ foot, 2½c
Common.....₩ foot, 2¼c
Double Braced.....₩ foot, 2¾c
Lanes' O. N. T.....₩ 1.0 ft. $2.40
Stowell's Wrought Steel.....35%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6½c
Sliding Door, Iron, Painted...₩ ft 3c
Sliding Door, Wr't Brass, 1½ in. ₩ lb, 35c.....50&10@40&5%
Terry's Steel Rail, ₩ foot.....3½c
Victor Track Rail, 7c ₩ foot. 60&10&3½%

Rakes—

Cast Steel, Association goods.75&15%
Fort Madison Red Head Lawn, $3.25
Ft. Madison Blue Head Lawn, $3.00

Gibbs':
Acme.....net ₩ doz. $4.00
Boss, Garden, 14 teeth, net ₩ doz. $2.60
Boss, Garden, 18 teeth, net ₩ doz. $2.75
Canton Lawn Rake...₩ doz $3.50
Crown Lawn, No. 1....₩ doz. $3.50
Hustler, No. 0.....₩ doz. $3.20
Lawn Rake.....₩ doz. $4.75
Malleable.....70&10@75%
Oneida Lawn.....doz. $6.00
Peerless Socket and Shank..75&15%
Prize Bow-Brace.....75&15%
Queen City.....33⅓%

Razors—

Electric.....List net
J. R. Torrey Razor Co.....30%
Wostenholm and Butcher, $10.00 to $2.....10%

Registers—

Stowell's:
Japanned.....80&10%
Nickel-plated.....75&10%

HOT AIR—

Ferrosteel Japanned.....80&10%
Ferrosteel, Nickelplated.....75&10%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

American Screw Co.:
Bay State Rivets.....75&5%
Burrs.....75%
Soft Steel.....80%
Copper.....60&10&5@60&10&10%
Norway, list Feb. 28, '96.....70%

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Rivet Sets—

Regular list.....70@70&10%

Rollers—

Barn Door, Sargent's list..60&10&5@70%
Cronk's:
Acme Barn Door.....50%
Adjustable Stay..₩ doz. $1.00 net
Screw Stay.....₩ doz. 60c net

Rope

Cotton Rope, Best,
¼ in. and larger.....₩ lb 14½@15c
Medium, ¼ in. and larger.....₩ lb 12 @13c
Common, ¼ in. and larger.....₩ lb 9½@10c
Jute Rope.....₩ lb 5½c
Manila:
7-16 in. and larger..₩ lb 6½@6½c
⅜ in.....₩ lb 6¾@7 c
¼ and 5-16 in.....₩ lb 7½@ 7½c
Hay Rope, Med.....₩ lb 6½@6¾c
Sisal, ⅜ in.....₩ lb 5½c
¼ and 5-16 in.....₩ lb 5½c
7-16 in. & larger.....₩ lb 4½c
Med. L'th Y'rn.....₩ lb 4½c
Hay Rope.....₩ lb 4½c

Rules—

Athol, Steel.....33⅓%
Boxwood..50&10&10&10@50&10&10&10%
Ivory.....50&10@50&10&10%
Lufkin's:
Steel.....55%
Lumber.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....35&10%

Sad Irons—

Chinese Laundry.....₩ lb 4½@5c
Chinese Sad.....3½@3½c
Colebrookdale Iron Co.:
Crown, Improved Pol, ₩ doz. $6.50
Nickel.....₩ doz. $7.00
Comm'n 4 to 10 .....₩ lb 2½@2½c

COLD HANDLED—

Enterprise Mfg. Co. of Pa.:
No. E 50, nickel plated, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.45
No. E 50, nickel plated, size 1 2 or 3 without handles, ₩ doz.$4.45
No E 55, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.00
No E 55 plain polished, size 1, 2 or 3 without handles, ₩ doz.$4.00
No E 60, nickel-plated, size 1, 2 or 3 with "best" handles, ₩ doz.....$8.25
No. E 60, nickel-plated, size 1, 2 or 3 without handles, ₩ doz.$5.25
No. E 60, nickel-plated, size 4, with "best" handles, ₩ doz $9.50
No. E 60 nickel-plated, size 4, without handles, ₩ doz.....$6 50
No E 65, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.75
No E 65, plain polished, size 1, 2 or 3 without handles, ₩ doz.$4.75
No. E 65, plain polished, size 4, with "best" handles.....$8.50
No. E 65, plain polished, size 4, without handles.....$5.50
The "Best" Handles, with Forged Iron Stretchers, ₩ doz.....$3.00
Self-heating.....₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $22.50, 25%
Sensible Nickel.....₩ doz. $7.00
Sensible Pol.....₩ doz $6.50
Sensible, Tailors'.....₩ lb 3@3½c

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Emery Cloth.....50&10@60%
Garnet Paper.....30@.....
Sand and Emery Paper.50&10@60%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%

Sash Cord—

Cable Laid Italian Sash.....₩ lb 16c
Cable Laid Russia....₩ lb 13½c@14c
Common.....₩ lb 8½c@9c
Common Russia Sash.₩ lb 12½c@13c
India Hemp Sash.....₩ lb 9½c@10c
Jute, good quality.....₩ lb 11c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ lb 30c
"Samson" Braided Drab, Cotton.....₩ lb 35c
"Samson" Braided Italian Hemp.....₩ lb 38c
"Samson" Braided Linen, ₩ lb 56c
Silver Lake:
A Quality, Drab..₩ lb 55c, 3 @40%
A Quality, White, ₩ lb 50c, 35@40%
B Quality, Drab, ₩ lb 35c .....
.....15@15&7½%
B Quality, White ₩ lb 30c.....
.....15@15&7½%
White Cotton Braided, ₩ lb 21c@25c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts Flush.....70%
Sash Lifts With Lock.....60&10&10%
Sash Rollers.....70%
Shutter Bars.....60&10@70%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%

Sash Locks—

Champion Safety.....70&10&5%
Corbin's Daisy, '95 list.....40@45%
Davis, Bronze, Barnes Mfg. Co...60%
Hammond's Window Springs, A .....50&10%
Hammond's Window Springs, B. 50%
Ives' Patent....60&10&5@60&10&10%
Payson's Perfect.....70%
Reading.....60&10&10@70%

Sash Weights—

Small lots.....₩ ton, $20.00@$21.00
Ton lots at factory.....$18.00@$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
National Specialty Mfg. Co.....25%

Saws—

Atkin's:
Band.....50&10%
Butcher, Pruning and Compass.....40&10%
Circular.....50&10%
Cross Cut.....40&10%
Gang.....50&10%
Hand.....40&10%
Wood.....40&10%
Disston's:
Circular.....45@50%
Cross Cuts.....40&10%
Gang.....40%
Panel, Hand & Rip.....25%
Haines' Needle Point.....40%
C. E. Jennings & Co.'s:
Butcher.....30%
Hand Panel, Rip and other Saws 25%
Peace:
Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
Richardson:
Circular and Mill.....45&10%
X Cuts.....45&10%
Hand-saws.....25&10%
Star, Butcher.....25%
Woodrough & McParlin Cross Cuts.....45&10%

HACK SAWS AND FRAMES—

Chatillon.....30%
Grimm's:
Complete.....40&10%
Saw Blades.....40&10@50%
Star, Saws and Blades.....20%

Saw Frames—

C. E. Jennings & Co.....20%
Red, Polished and Varnished...₩ doz..$1.00@$1.10
Richardson's Wood.....net
White Vermont..₩ gro..$8.50@$9.00

Saw Sets—

Atkin's:
Criterion Saw Sets. ₩ doz.....$6.00
Excelsior Saw Tools ₩ doz....$6.00
Bemis & Call Co.'s:
Cross Cut.....30&5%
Hammer, New Pat.....45%
Plate.....20%
Spring Hammer.....30&5%
Disston's Star.....25@25&10%
Hart's Pat. Lever.....30%
Kohler's:
"Giant Royal".....₩ doz. $10.00
"Royal".....₩ doz $6.00
Leach's.....33⅓%
Morrill's:
No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Cross-cuts Nos. 3 and 4, $23.00; No. 5, $31.00.....40&20%
Richardson's.....25%
Seymour Smith & Son, Hammer. ₩ doz.....$4.75
Stillman's ₩ doz.....$1.00
Taintors Positive...$18.00 ₩ doz. 60%

Scales—

Chatillon's:
Eureka.....25%
Favorite.....40%
Grocers' Trip Scales.....50%
Family, Turnbull's.....30@30&10%
Hatch:
Counter, No. 171, ₩ doz. $17.00@ $18.00
Tea, No. 161.....₩ doz. $5.75@$6.00
Union Platform Plain...$2.00@$2.10
Striped.....$2.15@$2.25

Scale Beams—

Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%
Scale Beams, List Jan. 12, '92.50&10%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....₩ doz., $2.00
Box, 2 Handle....₩ doz., $3.00@$4.00
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60@60&5%
Extension.....50&10&5%
Flyer.....50&10&5%
Perfection Screens.....60@60&5%
Window Screen Frames.....60&5%
Stearns':
Frames and Corners....25@25&10%
Gem Window Screen Frames, 25&10%
Monarch Adjustable Window Screens.....50%

Screen Doors—

Phillips:
Empire Fancy.....30&35%
Fancy Pine.....15%
Painted.....50&5%
Stained.....50&10%
Standard Oil.....35&40%

Screw Drivers—

Brace Screw-Drivers.....25&10&5%
Buck Bros.....30%
Screw-Drivers Bits.....37½%
Champion.....40&10%
Disston's.....5 @.....10
Pat. Excelsior.....5 & 5%
Ellrich's Socket and Ratchet.40&10%
Fray's Hol. Hdle. Sets, No. 3, $12.50%
Howard-Allard.....50&10&10%
C. E. Jennings & Co.....& 10%
Jennings & Griffin.....65&10%
Wm. Johnson's:
1 5 A.....70&10%
185 Extra.....70%
128 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20 and 40.....50@50&10%
Screw-Driver Bits....₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $6.25
N. E. Specialty Co.'s.....50&10%
Stanley R. & L. Co.'s:
No. 64, Varnished Handles.70&10%
No. 66.....70&10%
Tower & Lyon:
Champion.....33⅓%
"Handy" Ratchet.....25%
Williamson's:
Beauty. ₩ doz.....$1.00 } 40%
Gem, ₩ doz.....90c }
C.T. Williamson Wire Novelty Co.40%

Screws—

WOOD SCREWS—

Brass, Flat Head.....90%
Brass, Round Head.....85%
Bronze, Flat Head.....87½%
Bronze, Round Head.....85%
Copper, Flat Head.....65%
Copper, Round Head.....60%
Drive Screws.....90%
Iron, Bright Flat Head.....90%
Iron, Brt'd & Oval Head.....85%
Iron, Forged Flat Head.....90%
Nickel Plated, Flat Head.....80%
Nickel Plated, Round Head....77½%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....60%

MACHINE—

Brass, Flat Head.....45%
Brass, Round Head.....40%
Iron, Flat Head.....45%
Iron, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron, ₩ doz., 1 in., $3.75; 1½, $3.00; 1¼, $3.50
Bench, Wood, Beech, ₩ doz $3.00@3.20
Chair.....60&10%
Coach.....8½%
Hand Rail Am. Screw Co.....8½%
Hand Rail, H. & B. Mfg. Co.....50%
Hand Rail, Sargent's.....70@70&10%
Hand, Wood.....30&10@40%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W...40@40&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'.....40&10%
Lag Blunt Point, list Jan. 1, 1890. 75&20@80&10%
Piano Stool.....60&10%

Scroll Saws—

Barnes' No. 1, $8; No. 6, $10; No. 7 $15.....25%
Barnes Scroll Saw Blades.....40%
Cricket.....10&10%
C. E. Jennings & Co.....20%
Lester, complete, $10.00.....10&10%
Rogers, complete, $4.00.....15&10%

Scythes—

Grain.....50&10%
Grass.....50&10%
Scythe Snaths.....50&10@50&10&5%

Seeders—

Raisin, Enterprise.....25%

Shaft Couplings—

Bradley's:
Buggy, No. 8, ₩ Set.....$2.25
Surrey, No. 9, ₩ Set.....$2.60

Shears—

Acme (Cast).....40@40&5%
Ætna, Steel Japanned.....
Ætna, Steel Nickeled.....70&20%
Barnard's Lamp Trim'rs.₩ doz.$3.75
Clauss:
Nickel.....60%
Japanned.....70%
Davenport Cutlery Co.'s...60@60&10
Heinisch's:
St. Trimmers, etc...60&10&10@70%
Tailor's Shears.....3 & 5% @40%
Pruning, See Pr'ning H'ks & Shears.
Seymour's List, Dec., 1881. 60&10@60&10&10%
Wiss & Sons:
Japanned.....70%
Nickeled.....60%
Tailors' Shears.....60&10%
Tin Snips.....45%

Sheaves—

SLIDING DOOR—

Corbin's list.....60&10&2%
Hatfield's Pattern.....70&10@80%
M. W. Co., list July, 1892.....
Stowell's Anti-Friction.....50%
Patent Roller.....60&10@60&10&5%
R. & E., list August 15, 1896. 60&10@60&10&5%
Russell's Anti-Friction, list Dec. 18, 1895.....60&5%

SLIDING SHUTTER—

Reading list.....60%
R. & E. Mfg. Co.'s.....& @60&10%
Sargent's list.....60@60&10%

Shoes, Horse, Mule, &c.—

HORSE—

Bryden's Frog Pressure.....$4.00
Burden's, Perkins', Phœnix and Bryden's, from jobb'rs..$3.15@$3.40
Perkins Steel Side Weight Hind $3.15 $3 40
Perkins Improved Snow.....₩ lb 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ lb 9c
1000 lb lots.....₩ lb 9½c
500 lb lots.....₩ lb 10c

Shot—

See Ammunition.

Shovels and Spades—

O. Ames & Sons:
C.S. Edge.....6@7½%
Pat. Cast Steel.....7½@10%
Blair's Cast Steel.....5%
Bouve's Steel.....10%
Carter's Cast Steel.....5%
Sanderson's Cast Steel.....5%
Stone's Cast Steel.....6%
H. M. Myers and other manufacturers are now selling at Association discounts.

Shovels and Tongs—

Brass Head.....60&10@60&10&10%
Iron Head.....60&10@60&10&5%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $10@11.50

Skate Sharpeners—

Eureka...₩ doz. $1.75; ₩ gro. $18.00

Slaw Cutters—

Enterprise.....25%
Enterprise Mfg. Co.....25%
Tucker & Dorsey:
1 Knife.....₩ gro. $15.00@$18.00
2 Knives.....₩ gro $9 00 @$12 00
Kraut Cutters.....50@ 0&10%
Woodrough & McParlin.....40%

Slicers—

Vegetable, Enterprise.....25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Cockeyes.....70&10%
Covert Mfg. Co.....45&20&5%
German, new list .40&10@40&10&10%
Fitch's (Bristol).....50%
Sargent's:
Patent Guarded.....70&10&10%
Covered Spring.....60&10%
Open Spring.....70@70&10%

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Covert Mfg. Co
Breast Strap Buckle Snaps
Breast Strap Protector
Double for Bits or Trace Carrier
Loop Eye
Loop Eye, Swivel
Open Eye
Round Eye
Round Eye, Swivel
} 45&2% @50%
Covert Saddlery Works:
Banner 60&20%
Triumph 60&20%

Spoke Shaves—

Bailey's (Stanley R. & L. Co.) 50&10%
Iron ₱ doz. 5 &1 %
Millers Falls 15&10%
Seymour Smith & Sons, Iron 30%
Wm. Johnson's:
Wood, Best 30%
Wood, 2nd Quality 33⅓%
Wood ₱ doz. 25&10%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10 @30%
B. B. Noyes Meat Forks 50&10@60%
Buffalo S. S. & Co 33⅓&2%
Solid Table and Tea, Cen. Stamp. Co.'s list 70&25%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Holmes & Edwards Silver Co. 60%
L. Boardman & Son Catalogue "B"—net List
Meriden Brit. Co. Rogers Bros. 40&10%
C. Rogers & Bros. 40&15%
Rogers & Bro. 40&15%
Wm. Rogers Mfg. Co. 60%
Simpson, Hall, Miller & Co. 60&5%

MISCELLANEOUS—

Boardman's:
Britannia Spoons, Catalogue "B" net List.
Nickel Silver, Catalogue "B" net List
Britannia 60&10%
German Silver 60&10%
German Silver, Hall & Elton 50& 5% cash
Wm. Rogers Mfg. Co.:
1847 Rogers' German Silver 60&5%
1881 Rogers' Nickel Silver 60&5%
Rogers' Silver Metal 50&10&5%

Springs—

See Door Springs.

Squares—

Disston Try Square and T Bevels, 60&10%
Starrett's Micrometer Caliper Squares 25%
Try Square and T Bevels 60&10&5 @60&10&10%
Winterbottom's Try & Mitre 50&10%
Nickel-Plated } 75&10@75&1 &10
Steel and Iron }

Stair Rods—

Black Walnut 60%
Brass, Oval or Hollow 50%

Staples—

Barbed Blind—⅛, ⅜, and ¾ inch, ₱ lb. 5c@6½c
Grand Crossing Tack Co. List: 75&10%

Stocks and Dies—

BLACKSMITH'S—

Butterfield's Goods 35@40%
Gardner 33⅓&10%
Lightning Screw Plate 25%
Reece's New Screw Plates 25@30%
Waterford Goods 35@40%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stove.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March 25, '95.
2% cash. Market irregular and lower prices on some lines.
American Cut Tacks 90&10%
Carpet Tacks:
American, Blued 90&10@90&10%
American, Tinned 90&2 @90&25%
Leathered 60%
Steel 90&20%
Swedes, Lanc. 85&10%
Swedes, S. S. 90&25%
Swedes Iron Tacks:
Lanc. 85&10%
S. S. 90&15 &5%
Basket Tacks 75& 10%
Basket Nails 80%
Bill Posters' and Railroad Tacks:
S. S. 90%
Brush Tacks and Nails 75&15%
Chair Nails 8 %
Cigar Box Nails 75%
Common and Patent Brads 80%
Finishing Nails 75%
Gimp Tacks:
Lanc. 80&20%
S. S. 90&15%
Hungarian Nails 85&10&5%
Lace Tacks
Lanc. 80&20%
Looking Glass Tacks 70%
Picture Frame Points 70%
Trimmers' Tacks:
Lanc. 80&20%
S S 85%
Trunk and Clout Nails:
Black 80 & 5%
Tinned 80&10&5%
Upholsterers' Tacks:
Lanc. 80&20%
S S. 90&10%

MISCELLANEOUS—

Bill Nye Brad Box ₱ box $4.00
Bill Nye, Jr., Brad Box ₱ box 2.00
Bonnie Blue ₱ box $1.50
Can Opener Carpet Tacks ₱ gr $4.00
Dble. Point 90&10 & 10&10&10& 10&10%
Hamme - Ca pet Tacks ₱ gr $4.50
Miniature Keg Tacks 66⅔&33⅓& 10&10&2%
Parisian Gilt Nails, carton 50%
Plymouth Rock Tacks 66⅔&33⅓& 10&2%

Tack Pullers—

Columbia, No. 1, per doz., net, $1
" " 2, " " 1.50
Little Jack ₱ doz. $1.00

Tapes, Measuring—

American 40&10@50%
Chesterman 30@35 &5%
Keuffel & Esser Co 25%
Lufkin's Steel and metallic 40%

Taps—

American Screw Co.
Machine Screw 70%
Blacksmiths' Taper 50&10@60%
Hand and Machine 50&10@5 %
Pipe 80%

Telephones—

Union Electric Co.:
Lett r A, complete each, $10.00
Letter B, for Warehouse each, $8.50
F. o. b. cars Cleveland.

Tin, Perforated

Harrington & King Perforating Co.:
IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.50	$1 55
2	$9.00	$1 55
3	$8.25	$1.35
4	$7.75	$1 30
5	$7.50	$1.20
5½	$7.25	$1.20
6	$7.00	$1.15
7	$7 00	$1.10
8	$6.75	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.) 20&2%
Snips, J. Mallinson & Co. 33⅓%
Snips—"Clauss" 30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897 70&10@70&25%

Tobacco Cutters—

National Specialty Co. 30&5%

Trammel Points—

Backus and Union 40%
C. E. Jennings & Co., "Eureka" 25%
Cook's 25%
Sargent's 70&10@70&10&10%
Stanley's 30&10%
Tower & Lyon 33⅓%
Preatiss' 20@35%

Tracks, &c.—

F. E. Myers & Bro.:
Comb. Car., Double Steel T. $3.50
Comb. Car., Wood Track $3.25
Common 6 in. Wood Sheave Pulley, Fig. 478 ₱ doz. $1.65
D. H. Fork, Steel Regular, each .75
Double Grapple Fork, each $3.25
Double Rail Steel Track complete with clamps ₱ ft. .09
Faultless Steel Frame K. P Pulley, Fig. 435 ₱ doz. $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485 ₱ doz. $1.75
Floor Hooks, ⅝ in. ₱ doz. .65
Floor Pulley, Wood Sheave, Fig. 486 ₱ doz $3.00
Hanging Hooks for Double Steel Track ₱ doz. .60
Hanging Hooks for Single Steel Track ₱ doz. .60
Hanging Hooks for Wood Track, 10 in. ₱ doz. .45
Hanging Hooks for Wood Track, 14 in. ₱ doz. .55
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₱ doz. $2.00
Malleable Rafter Brackets, ₱ doz .45
Nellis Fork, each $1.50
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes) $12.00
New Myers Iron Rod Car $2.75
Reed Wood Frame Pulley with Hook, Fig. 434, ₱ doz. $2 25
Rev. Car., Double Steel Track $3.50
Rev. Car., Wood Track $3.25
Rope Hitch ₱ doz. $1.75
Single rail Car, Single Steel T. $3.50
Single rail Steel Track with clamps, ₱ ft. .09
Sprouts Shear Fork, each $1.40
Steel Frame Pulley with Iron Sheave, Fig. 565, ₱ doz. $1 50
Sure Grip Sling Car, Steel or Wood Track $6.00
Walker Fork, each $1.15
Wrought Rafter Brackets, ₱ doz .45

Transom Lifters—

Ajax 50&10@50&10&5%
Bronze Metal, with Safety Spg 5 @ 0&10%
Crescent 70@70 &10%
Dicksons 60%
Nickel Plated 50&10%
Payson's Solid Grip, Nos. 3 3 and 304 ₱ 100, $12.00
Shaw's:
Copper Finished 80&10%
Lever 70@70&10%

Traps—

GAME—

Blake's Patent 60@60&10%
Enterprise Mole 15%
Newhouse 40&10@50&5%
Oneida Pattern 75&5@75&10%

MOUSE AND RAT—

Enterprise Mfg. Co., Mole 15%
Rat 40@40&10%
Ideal Rat ₱ gr $10.00
Hotchkiss:
Metallic Mouse ₱ doz. 65c
Improved Rat ₱ gross, $12.50
New Rat ₱ gross, $12.50
Mouse, Bonanza ₱ doz 90c@$1.00
Mouse, Catch-'em-Alive ₱ doz $2.50,15%
Mouse, Delusion 40%
Mouse, Ideal ₱ gr $9.00
Mouse, Round Wire ₱ doz $1.50, 10%
Mouse, Wood, Choker, ₱ doz notes 10c@9c
Schuyler Rat Killer, No. 1 ₱ gro., $3 5 ; No. 2 ₱ gro., $15.00
Smith & Egge Mfg. Co:
Superior Rat Trap, ₱ doz. $15.00
Yankee Mouse Trap ₱ doz. $5.50
Yankee Rat Trap, ₱ doz. $11.00

FLY-

Balloon, ₱ doz $1.25 ₱ gr. $13.50
Electric Rod ₱ gr. $16.50
Globe ₱ doz., $1.25; ₱ gr. $13.50
Harper ₱ doz., $1.75; ₱ gr. $16.50

Trowels—

Brade's Brick 25@33⅓%
Disston's:
Brick 8 %
Plastering 25%
Pointing 30%
C. E. Jennings & Co.:
Brick 30%
Plastering 25%
Pointing 30%
Wm. Johnson's:
Brick 40%
Plastering 40%
Pointing 40%
W. & McP. Plastering 25@25&10%
Peace's Plastering 25@25&5%
Richardson 25@2 &10%
"Rose" Brick Plastering and Moulders 30 @30& 10%
Sargent's Garden, No. 1 70%
Sargent's Garden, No. 15 50%

Vegetable Slicers—

Enterprise Mfg. Co. 35%

Vises—

Solid Box 50&10@60%

PARALLEL—

Alligator 50%
Armstrong's:
Combination 50%
Plain and Hinge 60%
Athol, Oval Slide 60&10%
Bonney's Champion 45@45&10%
Fisher & Norris Double Screw 15&10%
Holland's 40@40&10%
Howard's 40&10%
Little Giant Bench 35&10&5%
Lowell Hand 33⅓%
Massey's Quick Action 30&25%
Merrill's 20&15%
Millers Falls, Mechanics' net 20&10%
Moore's 30%
Parker's 20@35%
Oval slide 50&10%
Victor 30%
Prentiss 20@25%
Sargents 70&10%
Simpson's Adjustable 50%
Stephens' 30@30%
Trenton 40&50@40&10%
Wilson's 55%

SAW FILERS—

Bonney's Nos. 2 & 3, $15.00 60%
Stearn's Com., No. 0, 1, 2, and 3 .50%
Stearn's Rubber Jaw, Nos. 10 and 33 33⅓%
Wentworth's 35%

Wads—

See Ammunition.

Wagon Jacks—

Covert's Saddlery Works:
Victor 60&20%
Daisy 60&20%
Lane's Steel 30%

Washer Cutters—

Otis A. Smith's 20&10&10%

Weather Strips—

Church's:
Axtell, Lacquered, 36 in. ₱ doz. $5.00
Axtell, Lacquered, 42 in. ₱ doz. $7.00
Axtell, Pol. Brass, 36 in. ₱ doz. $12.00
Axtell, Pol. Brass, 42 in. ₱ doz. $15.00

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ₱ gross. $3.50@$12.00
American Whip Co.: List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft. $10.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
Americus, 9s Pen Whip, 6 ft., $6.00
Bull Bone, Half-length Whalebone, 5½ ft., $11 00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
Eureka, Two-thirds Whalebone 5½ ft., $12.00; 6 ft., $16.50 6½ ft. $18.00; 7 ft., $20.00
Gents' Light Driving, No. 111, 6 ft. $6.00
Gents' Light Driving, No. 106, 6 ft. $5.00
Hand-Made Stocked Java, No. 108 5½ ft., $3.75; 6 ft., $4.0
Hardware Assortment 10 American, 75 Whips for $50.00
New Name, Stocked Java, Black and Wine Colors 6 ft., $3.00
Team Whips ₱ doz $2.00 @$7 50
True Grip, Raw Hide Center, 4½ ft. $6.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.

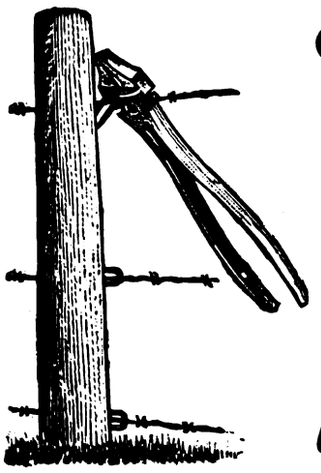
Window Cleaners—

Barnes Mfg. Co. 40%
Clayton's 35&10%

Wire and Wire Goods—

Annealed Fence, Nos. 8 and 9 75%
Annealed Grape, Nos. 10 to 14 75%
Brass Wire 35%
Bright Wire Goods, Standard list 35&10@35&10 &5%
Cast Steel Wire 50%
Copper Wire 45%
Galvanized Fence 75&10%
Malin's Annealed and Tinned on Spools 60&10%
Malin's Brass and Copper on Spools 50&10%
Market Wire:
Brt. & Ann., Nos. 0 to 18 80@80&10%
Cop'd, Nos. 0 to 18, 75&10@7 &10&5%
Galv., Nos. 0 to 18, 7 &10@75& 10&5%
Tin'd, Tinned list Nos. 0 to 18 75&10@75&10&5%
Picture Wire New list 35&10%
Steel Music Wire, Nos. 12 to 20, Imported ₱ lb. 60@70c
Stub's Steel Wire $6.00 to $ 80%
Tate's Spooled Wire:
Annealed and Tinned 60&10%
Copper and Brass 50&10%
Tate's Wire Picture Cord Braided and Twisted 35@10&10%
Tinned Broom Wire, Nos. 18 to 21, ₱ lb. 4½c
Wire Clothes Lines, see Lines.

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CRONK'S

Combination Fencing Plier.

This newly invented fencing tool is needed by all people that build or have occasion to remove or repair wire fence, as it is made with two staple pullers, two hammers and two button cutters. They are the same heft as the 1½ Maydole Hammer, and they are made of forged tool steel. No good farmer will be without one. They are warranted to cut No. 8 hard or No. 6 soft wire. Like the celebrated Cronk Plier they are fully warranted in all respects. No. 12, 11 in. long, $12.00. Dis. . . .

CRONK HANGER CO., ELMIRA, N. Y.

Wire Cloth, Netting, &c.—

Brass Cloth.....40@55%
Galvanized Wire Netting..80&10@80&30%
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.15@$1.20
Steel Bolting Wire Cloth.....30@55

Wire Rope—

List.
Cast-steel.....2½&2½&3% cash
Iron.....30&3½&3% cash
Iron, Galvanised..30&3½&3% cash

Wire Rope Clips—

Crosby.....35%

Wire Stretchers—

W. C. Heller's Grip.....₩ doz. $1.50

Wrenches—

Acme:
Bright.....60@60&10%
Heavy.....50%
Nickel.....50&10@60%
Agricultural.....80@80&10%
Aiken's Pocket (Bright)..$2.10@3.20
Alligator.....60@6 &10%
Always Ready.....3½&5@40%
American Adjustable.....40@40&10%
Armstrong's.....40%
Baxter's.....65@65&10%
Bemis & Call's:
Brigg's Pattern.....30&10%
No. 3 Cylinder or Gas Pipe.....55%
No. 3 Pipe, Bright.....60%
Patent Combination Black.40&10%
Patent Coubination Bright.40&5%
Boardman's.....30@33½%
Champion Carriage.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
Coes':
Genuine.....40&10&5&5&3%
"Mechanics'".....40&10&10 &5&5&3%
Pattern Wrought.....35&10%
Donohue's Engineer.....40&10%
Eagle Pipe.....50&10%
Expert Bicycle.....33½&10%
Girard Standard.....65&10@70%
Hall's Pipe.....50%
Hercules.....70&10@75%
Lamson & Sessions':
Engineers'.....60@60&10%
Standard.....70&10%
Lowell:
Lag Screw.....25%
Ratchet.....33½%
Socket Bridge.....20%
Stillson Pipe.....45%
Taylor Pipe and Nut.....40%
Trimo Combination.....40%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
J. H. Williams.....25%
Yankee.....45%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co., list May 1, 1894,
Lovell Mfg. Co., list July 2, 1894...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%
Peerless Mfg. Co., list Feb., 1892...2%
NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in barrels..₩ gallon.....33c
Linseed, City, Boiled, in barrels ₩ gallon.....34c
Out of Town on Spot..₩ gal.....30c
Calcutta, Raw, in bbls....₩ gal. 50c
Lard, Prime City.....₩ gal. 40@42c
Western, Prime.....40@41c
Extra, No. 1.....34@38 c
No. 1.....30@32c

Paints and Colors—

Barytes, Foreign, ₩ ton, $15.00@$18.00
Barytes, American Floated, ₩ ton $32.00@$33.00
Barytes, American, No. 1 ₩ ton, $9.00@$10.00
White Lead, American, Dry, in Bbls. ₩ ₤.....6c
White Lead, American, in Oil, ₩ ₤.....5½@6c
White Lead, Foreign, in Oil, ₩ ₤ 6@7c
Litharge, Kegs, ₩ ₤.....5¼@5½c
Zinc, American, Extra Dry, ₩ ₤ 5¾@4¼c

Putty—

In bbls. and half bbls.....1¾@1¾
Putty in Bladders.....1¾@2
Putty in Tins.....1¾@2¼

Spirits Turpentine—

In regular bbls.....28½@—c
In machine bbls.....29@—c

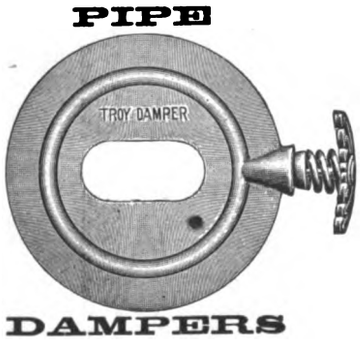
Dry Colors—

Blue, Chinese.....₩ ₤ 37 @40
Blue, Prussian.....₩ ₤ 30 @35
Blue, Ultramarine..₩ ₤ 8 @35
Sienna, Italian, burnt & powd red ₩ ₤ 2½@3¼c
Sienna, Italian, raw & powdered...₩ ₤ 2½@2½c
Umber, Turkey, burnt.....₩ ₤ 2½@2½c
Umber, Turkey, raw.....₩ ₤ 2½@2½c
Green, Chrome, Common.....₩ ₤ 5 @12 c
Green, Paris, in bulk, ₩ ₤ 11 @12 c
Indian Red, American.....₩ ₤ 2 @ 8 c
Indian Red, English.....₩ ₤ 4½@8

Colors in Oil—

Black Coach Japan ₩ ₤..18½@20
Black Coach Japan in Oil.....₩ ₤ 12 @13 c
Black Drop.....₩ ₤ 7 @10 c
Black Lampblack...₩ ₤ 20 @33 c
Black Lampblack, common.....₩ ₤ 7@15 c
Blue, Chinese.....₩ ₤ 35 @40 c
Blue, Prussian.....₩ ₤ 30 @40 c
Blue, Ultramarine..₩ ₤ 12 @18 c
Brown, Sienna, burt ₩ ₤ 7 @10 c
Brown, Sienna, raw. ₩ ₤ 7 @10 c
Umber, burnt.....₩ ₤ 7 @10 c
Umber raw.....₩ ₤ 7 @10 c
Brown, Vandyke....₩ ₤ 7 @12 c

PIPE DAMPERS

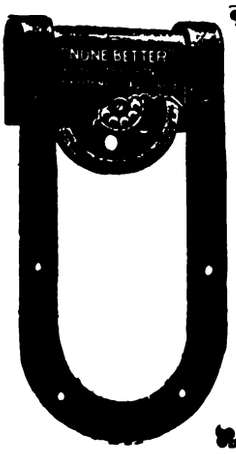




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TROY NICKEL WORKS
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STEEL DOOR HANGERS.

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THEY WILL INTEREST YOU.

Also Track and Stay Rollers.

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"HOW CAN I INCREASE MY INCOME?"

By sending name and address to

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THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

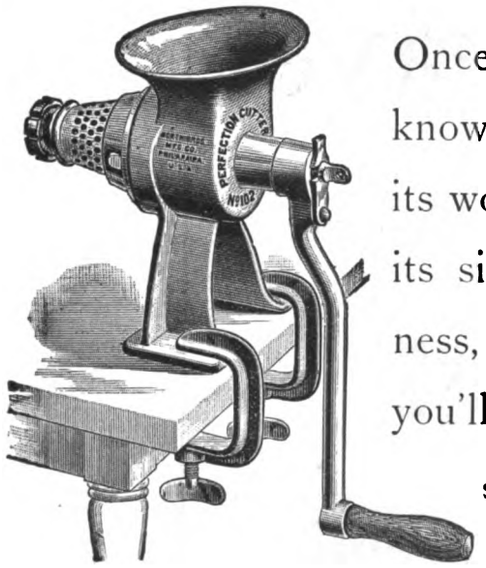
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NEW PERFECTION CUTTER



Once you see it work and know half of its capabilities, its wonderful convenience, its simplicity and cleanliness, its easy working, you'll buy it fast enough---

SOLD BY LEADING JOBBERS.

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Manufacturers of

LEAD PIPE
SHEET LEAD

American Standard

DROP SHOT BUCK

Also Wholesale Jobbers in

Wrought Iron Pipe, Cast Iron Soil Pipe, Water Closets, Brass Plumbing Goods, and everything else to plumb a house from cellar to garret.



RESERVOIR PUNCH

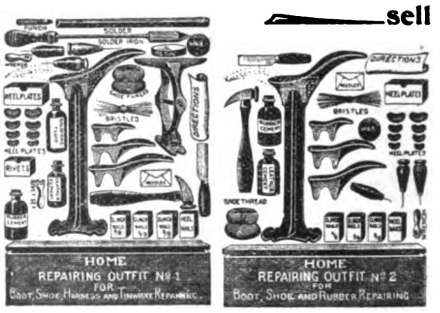
For Euchre and Whist Parties.

This Pocket catches the pieces punched from Tally Cards, thus preventing a littering of the carpet.
Is hinged, can be opened, emptied and closed in an instant.
Of great value to Railroads as it prevents the replacing of pieces punched out of monthly or commutation tickets.
Also valuable in Restaurants where punch tickets are used.

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ROOT'S HOME REPAIRING OUTFITS!

Greatest Money-makers and Money-savers ever seen! They sell like hot cakes! Write for prices to-day to

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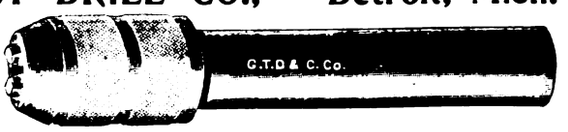
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Sole Manufacturers of

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MANUFACTURER OF

Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

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Magnolia Metal Co., New York.

Anti-Rattler.
Fernald Mfg. Co., North East, Pa.

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Goodell Company, Antrim, N. H.
Reading Hardware Co., Reading, Pa.

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Stewart Iron Works, Cin'nati, O.

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Bommer Bros., Brooklyn, N. Y.

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Ferrosteel Co., Cleveland, Ohio.

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Door Checks and Springs.
John Chatillon & Sons, New York.
Norton Door Check & Spring Co., Boston, Mass.
Russell & Erwin Mfg. Co., New York
Sargent & Co., New York.

Doors and Shutters, Iron.
Stewart Iron Works, Cin'nati, O.

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Drills.
Cleveland Twist Drill Co., Cleveland, O.
Detroit Twist Drill Co., Detroit, Mich.
Kearney & Foot Co., New York.
Silver Mfg. Co., Salem, Ohio.
Standard Tool Co., Cleveland, O.
Whitman & Barnes Mfg. Co., New York, Cincinnati, Chicago, Kansas City.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.

Drop Presses.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
J. G. Speidel, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham & Co., New York.
Peru Electric Mfg. Co., Peru, Ind.

Elevators.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
J. G. Speidel, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery.
Crescent Emery Mills Co., Oscawana, N. Y.
Hanson & Van Winkle Co., Newark, N. J.

Emery Paper.
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Emery Wheels.
Crescent Emery Mills Co., Oscawana, N. Y.
New York Belting & Packing Co., Ltd., New York.

Enamel.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scotland.

Enameline.
J. L. Prescott Co., New York.

Enameling Ovens.
Union Heater Supply Co., Detroit, Mich.

Expansion Bolts.
Isaac Church, Toledo, O.

Export Agents.
John H. Graham & Co. New York

Eyelets.
Waterbury Brass Co., New York.

Faucets.
Boston & Lockport Block Co., Lockport, N. Y.
John H. Graham & Co., New York
National Specialty Mfg. Co., Philadelphia, Pa.
John Sommer's Son, Newark, N. J

Fences, Wire and Iron.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson, Ind.
G. & H. Barnett Co., Philadelphia.
Henry Disston & Sons, Phila., Pa.
Alfred Field & Co., New York.
Hammacher, Schlemmer & Co. New York.
Kearney & Foot Co., New York.
Sickels & Nutting Co., New York.

Filteration Quarts.
New England Filteration Co., Boston.

Filters.
J. H. Seed, New York.

Fire Escapes.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Fishing Tackle.
Enterprise Mfg. Co., Akron, Ohio.

Flat Ware.
See Plated Ware.

Flower Pot Stands.
E. T. Barnum, Detroit Mich.
Gilbert & Bennett Mfg. Co., N. Y., Chicago, Georgetown, Conn.

Fluting Machines.
North Bros. Mfg. Co., Philadelphia.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading Pa.

Fronts for Buildings, Iron.
Stewart Iron Works, Cin'nati, O.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Fruit Presses.
Logan & Strobridge Iron Co., New Brighton, Pa.

Furnaces.
Union Heater Supply Co., Detroit, Mich.

Garden Tools.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., New York.

Gaskets.
H. O. Canfield, Bridgeport, Conn.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.

Gas Stoves.
Monarch Stove Co., Mansfield, O.

Gate, Latch and Hinge.
Burr & Houston Co., Brooklyn, N. Y.

Gauge, Butt.
Stanley Rule & Level Co., New Britain, Conn.

Gears.
T. F. Welch & Co., Boston.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.
J. D. Johnston, Newport, R. I.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grating, Iron.
Stewart Iron Works, Cin'nati, O.

Grindstones.
Cleveland Stone Co., Cleveland,

Gummers.
E. C. Atkins & Co., Indianapolis, Ind.

Gunpowder.
E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York.

Gun Implements.
Bridgeport Gun Implement Co., New York.
Hartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammers.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
Miner & Peck Mfg. Co., New Haven, Conn.
Arthur R. Robertson, Boston.
The Scranton & Co., New Haven, Conn.

Handles.
Berger Bros., Philadelphia.
Knapp & Pratt Mfg. Co., Geneva, Ohio.

Hangers, Coat and Hat.
Cronk Hanger Co., Elmira, N. Y

Hangers, Door.
Darling, Brown & Sharpe, Providence, R. I.
Cronk Hanger Co., Elmira, N. Y.
John H. Graham & Co., New York
Lane Brothers, Poughkeepsie, N. Y.
McKinney Mfg. Co., Allegheny, Pa.
Stowell Mfg. & Fdry. Co. South Milwaukee, Wis.
Van Wagoner & Williams Hdwe. Co., New York and Cleveland.

Hardware Dealers, Agents, Etc.
Allerton, Clarke Co., New York.
E. F. Benson, Jr., Boston.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Arcade Mfg. Co., Freeport, Ill.
Berger Bros., Philadelphia.
Bruce & Cook, New York.
Buchel Brush Novelty Co., New Orleans, La.
Ennis Specialty Co., Troy, N. Y.
Enterprise Mfg. Co., Philadelphia.
Alfred Field & Co., New York.
Griswold Mfg. Co., Erie, Pa.
Hammacher, Schlemmer & Co., New York.
Hastings & De Baun, New York.
T. W. Houchin, New York.
A. N. Jacobs, New York.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
National Specialty Co., Philadelphia.
North Bros. Mfg. Co., Philadelphia.
Charles Morrill, New York.
Pelouse Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.
Charles Weiland, New York.
T. F. Welch & Co., Boston.

Harness Snaps.
Covert Mfg. Co., West Troy, N. Y.

Hasps.
McKinney Mfg. Co., Allegheny, Pa.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
F. E. Myers & Bro., Ashland, Ohio.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Heaters.
C. R. Meres Heater Mfg. Co. Norwalk, O.

Hinges.
Bommer Bros., New York.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New York.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Hitching Posts.
Ohio Metal Co., Norwalk, Ohio.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.
J. G. Speidel, Reading, Pa.

Horse Nails.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co. Neponset, Mass.

Hose Menders.
F. E. Kohler & Co., Canton, Ohio.

Hose Pipe.
F. E. Myers & Bro., Ashland, Ohio.
New York Belting & Packing Co., Ltd., New York.
Rosendale-Reddaway Belting & Hose Co., Newark, N. J.

Hose Reels.
Hartzell Novelty Works, Alliance, Ohio.

Hose, Rubber.
F. E. Myers & Bro., Ashland, Ohio.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Ice Tools.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
Logan & Strobridge Iron Co., New Brighton, Pa.
North Bros. Mfg. Co., Philadelphia.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Ink.
Barnes National Ink Co., New York and Philadelphia.

Insurance.
Mutual Life Insurance Co. New York.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Jail Work.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Japanning.
C. H. Angus, Albany, N. Y.

Kraut Cutter.
National Saw Co., Newark, N. J.

Ladders.
Bicycle Step Ladder Co., Chicago.
Indiana Ladder Co., Indiana
F. E. Myers & Bro., Ashland, Ohio.

Lamps.
John H. Graham & Co., New York.
Ohio Electric Works, Cleveland, Ohio.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lanterns.
Buhl Stamping Co., Detroit, Mich.

Lathes.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.

Lathing, Metallic.
George Hayes, New York.

Lawn Fountains.
E. T. Barnum, Detroit, Mich.
F. E. Kohler & Co., Canton, Ohio.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
F. E. Kohler & Co., Canton, Ohio.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
F. E. Kohler & Co., Canton, Ohio.

Lead.
Bruce & Cook, New York.
Colwell Lead Co. New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Lemon Squeezers.
Berger Bro., Philadelphia.
John H. Graham & Co., New York.
Logan & Strobridge Iron Co., New Brighton, Pa.
John Sommer's Son, Newark, N. J.

Levels.
Tower & Lyon, New York.

Locks and Knobs.
Allerton, Clarke Co., New York.
Ames Sword Co., Boston.
Brass Goods Mfg. Co., Brooklyn, N. Y.

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Champion Safety Lock Co., Cleveland, O.
W. & E. T. Fitch Co., New Haven, Conn.
John H. Graham & Co., New York.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York and New Haven, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Machinery.
A. Adamson, Akron, Ohio.
Athol Machine Co., Athol, Mass.
Crescent Emery Mills Co., Oscawana, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
The Scranton & Co., New Haven, Conn.
Vieillard & Oeswald, Brooklyn, N. Y.
J. K. Williams, Akron, Ohio.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston

Mail Boxes
W. C. Heller & Co., Montclair, N. J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.
North Bros. Mfg. Co., Philadelphia.

Mechanical Rubber Goods.
New York Belting & Packing Co., Ltd., New York.

Metal Ceilings.
Canton Steel Roofing Co., Canton, Ohio.
S. Keighley & Co., Pittsburg, Pa.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
Joseph Dixon Crucible Co., Jersey City, N. J.
John Chatillon & Sons, New York.
Meyers' Puts Pomade Co., Boston.

Milk Cans.
Buhl Stamping Co., Detroit, Mich.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Mirrors, Window.
Bayer & Co., Philadelphia.

Mixers.
Ey.on & Sons, Philadelphia.

Model Making.
Schwerdtle & Siebert, Bridgeport, Conn.
T. F. Welch & Co., Boston.

Mops.
Matchless Mop Wringer Co., Canton, Ohio.

Mop Wringers.
Matchless Mop Wringer Co., Canton, Ohio.

Moulds.
A. Adamson, Akron, Ohio.
Schwerdtle & Siebert, Bridgeport, Conn.
J. K. Williams, Akron, Ohio.

Mucilage.
Barnes National Ink Co., New York and Philadelphia.

Nails.
Bruce & Cook, New York.
Fuller Bros. & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
Rockford Tack Co., Rockford, Ill.
Salem Wire Nail Co., Salem, O.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Nail Pullers.
The Scranton & Co., New Haven, Conn.

Nail Sets.
John H. Graham & Co., New York.
Storm Mfg. Co., Newark, N. J.

Nippers.
Charles Morrill, New York.

Office Railings.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cups.
Kendrick Valve & Washer Co., Syracuse N. Y.

Oilers.
Cushman & Denham, New York.
Tower & Lyon, New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Iron Work.
E. T. Barnum, Detroit, Mich
Stewart Iron Works, Cin'nati, O.

Ovens.
Monarch Stove Co., Mansfield, O.
Union Heater Supply Co., Detroit, Mich.

Packing.
Gould Packing Co., East Cambridge, Mass.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Canton Steel Roofing Co., Canton, Ohio.
William Connors, Troy, N. Y.
Jos. Dixon Crucible Co., Jersey City, N. J.

Patents.
Hot Coffee Dinner Pail Co., Newark, N. Y.

Patent Solicitors
Dyer & Driscoll, New York.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Cutters.
Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
C. E Jenn'ngs & Co., New York.
Stanley Rule & Level Co., New Britain, Conn.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Pleasure Wheels.
Strobel Mfg. Co., Marion, Ohio.

Pliers.
Cronk Hanger Co., Elmira, N. Y.

Police Equipments.
Tower & Lyon, New York.

Polish.
John Chatillon & Sons, New York.
Joseph Dixon Crucible Co., Jersey City, N. J.
Meyers' Puts Pomade Co., Boston.
J. L. Prescott & Co., New York.

Post Hole Diggers.
John H. Graham & Co., New York.
F. E. Kohler & Co., Canton, Ohio.

Poultry Netting.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.

Power Hammers.
The Scranton & Co., New Haven, Conn.

Power Presses.
Vieillard & Oeswald, Brooklyn, N. Y.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Vieillard & Oeswald, Brooklyn, N. Y.

Prismatic Sidewalks.
Stewart Iron Works, Cin'nati, O.

Pulleys.
F. E Myers & Bro., Ashland, Ohio.
Ney Mfg. Co., Canton, Ohio.

Pumps.
Chase Pump & Mfg. Co., Columbus Ohio.
John H. Graham & Co., New York.
F. E. Myers & Bro., Ashland, O.
Pittsburgh Pump Co., Pittsburgh, Pa.
St. Joseph Pump Mfg. Co., St. Joseph, Mo.
Union Heater Supply Co., Detroit, Mich.

Punches.
F. J. Mattison, New York.
Charles Morrill, New York.

Radiator Deflectors.
J. Rutherford & Son, Akron, Ohio.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Stewart Iron Works, Cin'nati, O.

Rails, Barn Door.
McKinney Mfg. Co., Allegheny, Pa.

Raisin Seeders.
Enterprise Mfg. Co., Philadelphia.

Rakes.
John H. Graham & Co., New York.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E Kohler & Co., Canton, Ohio.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.

Ranges.
Monarch Stove Co., Mansfield, O.
Taplin, Rice & Co., Akron, Ohio.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
P. J. Conroy & Co., Philadelphia.

Reels.
Hartzell Novelty Works, Alliance, Ohio.

Registers.
Stow l Mfg. & Fdry. Co., So. Milwaukee, Wis.

Repairing Outfits.
Root Bros. Co., Plymouth, Oh'o.

Rivets.
Bruce & Cook, New York.

Rollers.
Fulton Machine Co., Canal Fulton, O.

Roller Skates.
Tower & Lyon, New York,
Union Hardware Co., Torrington Conn., and New York.

Roofing and Roofers' Supplies.
Berger Bros., Philadelphia.
L. D. Berger, Philadelphia.
Canton Steel Roofing Co., Canton, Ohio.

Roof Trusses, Iron.
Stewart Iron Works, Cin'nati, O.

Rubber Belting.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rules.
Athol Machine Co. Athol, Mass.
Darling, Brown & Sharpe, Providence, R. I.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn
Tower & Lyon, New York.

Sash Cord.
Samson Cordage Works, Boston.
Tower & Lyon, New York.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
W. & E. T. Fitch Co., New Haven, Conn.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
C. E Jennings & Co, New York.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Sets.
E. C. Atkins & Co., Indianapolis, Ind.
F. E Kohler & Co., Canton, Ohio.
Charles Morrill, New York.

Saw Tools.
E C. Atkins & Co, Indianapolis, Ind.

Scales.
John Chatillon & Sons, New York.
North Bros. Mfg. Co., Philadelphia.
Peirce Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scrapers, Wheel.
Sidney Steel Scraper Co., Sidney, O.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co. Georgetown, Conn, New York Chicago.
Sickels & Nutting Co., New York.

Screws
Sickels & Nutting Co., New York

Screw Cutting Tools.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
John H. Graham & Co, New York.
Tower & Lyon, New York.
Tuck Mfg. Co., Brockton, Mass.

Screw Plates.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Shade Lines.
Samson Cordage Works, Boston.

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Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
Seymour Cutlery Co., Holyoke, Mass.
J. Wiss & Sons, Newark, N. J.

Sheet Brass.
Waterbury Brass Co., New York.

Sheet Steel.
Dunbar Bros., Bristol, Conn.

Shelf Boxes.
W. C. Heller & Co., Montclair, N. J.
Henry H. Sheip & Co., Philadelphia.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Single Tube Tires.
New York Belting & Packing Co., New York.

Sink Cleaners.
John W. Sudlow, Brooklyn, N. Y.

Skates.
John H. Graham & Co., New York.
Sick ls & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Skylights.
George Hayes, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Smoke Pipe Registers.
Ferrosteel Co., Cleveland, Ohio.

Solder.
Bruce & Cook, New York.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Spoke Shaves.
Stanley Rule & Level Co., New Britain, Conn.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
Dunbar Bros., Bristol, Conn.
Miller & Van Winkle Co, Brooklyn, N. Y.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Stairs, Iron.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O

Stamps.
Schwerdtle & Siebert, Bridgeport, Conn.

Staples.
Salem Wire Nail Co., Salem, Ohio
Geo. W. Stanley & Co, Belleville, Ill.

Statuary.
E. T. Barnum, Detroit, Mich.

Steel Goods.
Canton Steel Roofing Co., Canton, Ohio.
Finished Steel Co, Youngstown, O.

Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel, Perforated.
Harrington & King Perforating Co, Chicago.

Stencils.
Schwerdtle & Siebert, Bridgeport, Conn.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Indiana Ladder Co., Indiana, Pa.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Holroyd & Co., Waterford, N. Y.
F. E Myers & Bro., Ashland, Ohio.

Store Fixtures.
Hartzell Novelty Works, Alliance, Ohio.

Stoves.
T. W. Houchin, New York.
Monarch Stove Co., Mansfield, O.
Taplin, Rice & Co., Akron, Ohio.

Stove Mittens.
Diamond Hardware Co., Boston.
Paras & Paras, Troy, N. Y.

Stove Polish.
Joseph Dixon Crucible Co., Jersey City, N. J
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.
Logan & Stebridge Iron Co., New Brighton, Pa.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co.' Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Structural Iron Work.
Stewart Iron Works, Cin'nati, O.

Tackle Blocks.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Ney Mfg. Co. Canton, Ohio.
Union Hardware Co., Torrington, Conn

Tacks.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tack Pullers.
Higgins Mfg Co, Boston.
Knapp & Pratt Mfg. Co., Geneva, Ohio.

Tailors' Irons.
Union Sheet Supply Co, Detroit, Mich.

Tape Measures.
Waterbury Brass Co., New York.

Taps and Dies.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Tap Wrenches.
J. M Carpenter Tap & Die Co., Pawtucket, R. I.

Targets.
Cleveland Target Co., Cleveland, Ohio.

Tiling.
New York Belting & Packing Co., Ltd, New York.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tires Rubber.
New York Belting & Packing Co., New York.

Toilet Paper.
A. P. W. Paper Co., Albany, N. Y.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Detroit Twist Drill Co., Detroit, Mich
Hammacher, Schlemmer & Co. New York.
Th. M. Hass, New York.
Holroyd Co, Waterford, N. Y.
C. F. Jennings & Co, New York.
Standard Tool Co., Cleveland, O.
Stanley Rule & Level Co., New Britain Conn.
Tuck Mfg. Co, Brockton, Mass.
Underhill, Clinch & Co., New York.
Whitman & Barnes Mfg Co., New York, Cincinnati, Chicago, Kansas City.

Traps.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
John H. Graham & Co., New York.
Smith & Egge Mfg. Co., Bridgeport, Ct.

Trowels.
E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Sons, Philadelphia.
C. F. Jennings & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
National Saw Co., Newark, N. J.

Trucks, Store.
Boston & Lockport Block Co., Lockport N. Y.
John Chatillon & Sons, New York.
John H. Graham & Co. New York.
Sidney Steel Scraper Co., Sidney, Ohio.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Tubing.
New York Belting & Packing Co., Ltd., New York.
Pope Tube Co., Hartford, Conn.

Valves.
Berger Bros., Philadelphia.
Kendrick Valve & Washer Co., Syracuse, N. Y.
F. E. Myers & Bro., Ashland Ohio.
New Jersey Car Spring & Rubber Co, Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Varnishes.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scotland.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol. Mass.
Howard Iron Worke, Buffalo, N. Y.
Tower & Lyon, New York.
Van Wagoner & Williams Hardware Co., New York.

Wagon Jacks.
Lane Brothers, Poughkeepsie, N. Y.

Wagon Umbrellas.
Sprague Umbrella Co., Norwalk, Ohio.

Washers.
Kendrick Valve & Washer Co. Syracuse, N. Y.

Washing Machines.
Strube. Mfg. Co., Marion, Ohio.

Watchman's Clocks.
E. O. Hausburg, New York.
E. Imhauser, New York.
Nanz & Co., New York.

Wax Tapers and Torches.
T. W. Houchin, New York.
Union Heater Supply Co., Detroit, Mich.

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Akron Cultivator Co., Akron, O.
Arnold Metal Wheel Co., New London, Ohio.
Bryan Mfg. Co., Bryan, Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Sidney Steel Scraper Co., Sidney, Ohio.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

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Samson Cordage Works, Boston.

Window Screens.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
John H. Graham & Co., New York.
Sickels & Nutting Co., New York.

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Taplin Mfg. Co., Forrestville, Ct.

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Clinton Wire Cloth Co., Clinton Mass.
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New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

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Wright & Colton Wire Cloth Co. Worcester, Mass.

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Gilbert & Bennett Mfg. Co., New York and Chicago.

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John H. Graham & Co, New York.
F. E Myers & Bro, Ashland, Ohio.
Tower & Lyon, New York.

Wrought Butts.
Bommer Bros., Brooklyn, N. Y.
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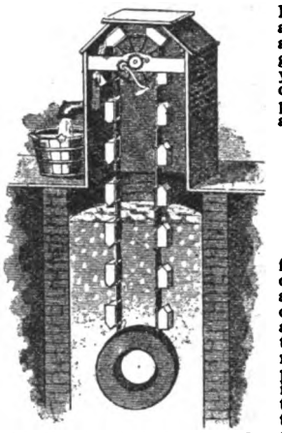
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Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Mancer's Bench
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Milk Can Trimming
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Pail Woods
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Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
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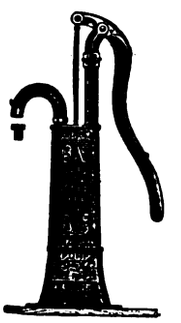
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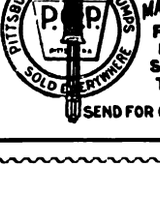
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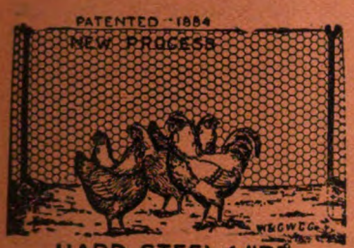
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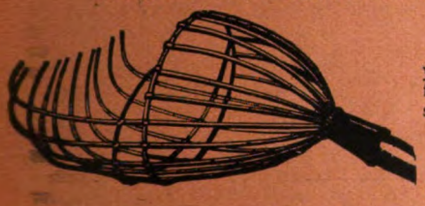
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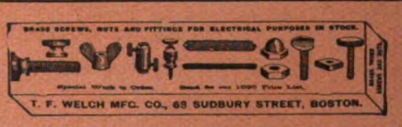
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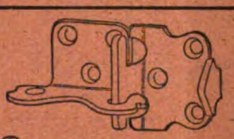
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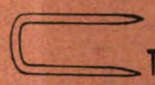
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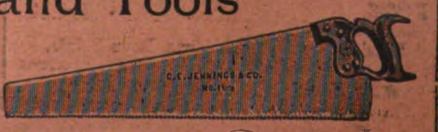
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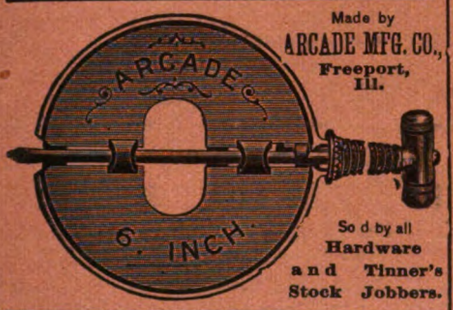
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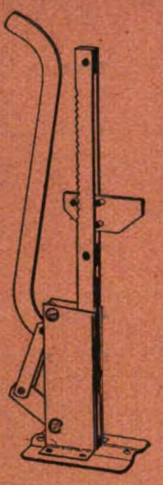
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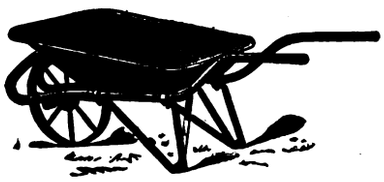
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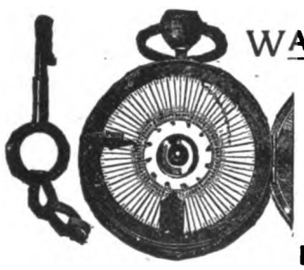
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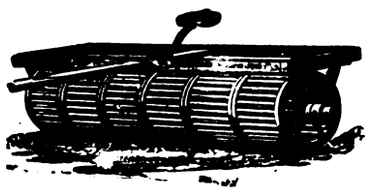
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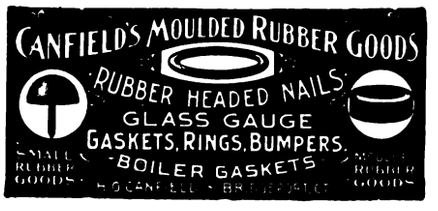
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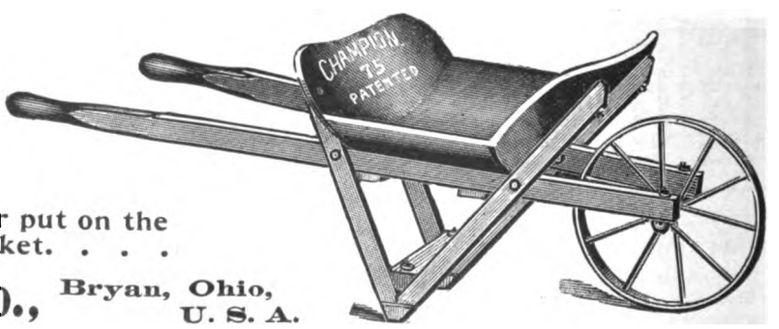
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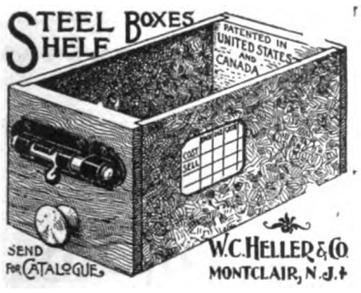
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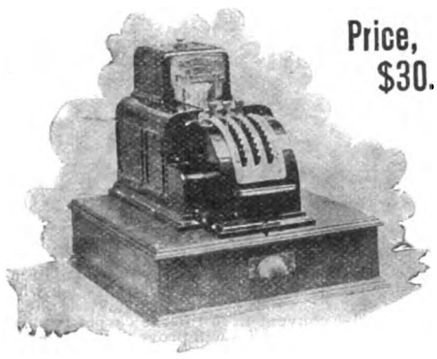


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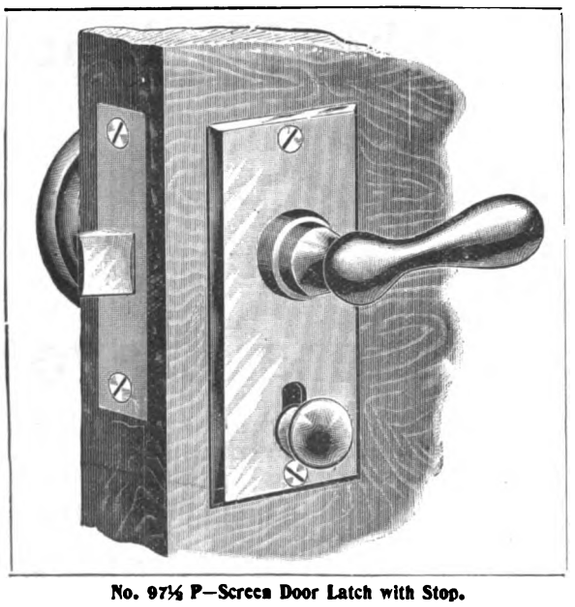


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BALTIMORE, 32 Hopkins Place. (HENRY KEIDEL & CO.)
PHILADELPHIA, 13 North Sixth St. (HENRY A. TERRY.)

The Mutual Life Insurance Company

OF NEW YORK,

RICHARD A. McCURDY, President,

Is the Largest Insurance Company in the World.

The Records of the Insurance Department of the State of New York SHOW THAT The Mutual Life

Has a Larger Premium Income,	($39,000,000)
More Insurance in Force,	($918,000,000)
A Greater Amount of Assets,	($235,000,000)
A Larger Annual Interest Income,	($9,000,000)
Writes More New Business,	($136,000,000)
And Pays More to Policy-holders,	($25,000,000 in 1896,

THAN ANY OTHER COMPANY.

It has paid to Policy-Holders since its organization in 1843, ($437,005,195.29)

ROBERT A. GRANNISS, Vice-President.

WALTER R. GILLETTE,	General Manager,
ISAAC F. LLOYD,	2d Vice President,
FREDERIC CROMWELL,	Treasurer,
EMORY McCLINTOCK,	Actuary,
WILLIAM J. EASTON,	Secretary.

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It Leads them all. . .

Our '78 Apple Parer is known everywhere as the Standard parer. Other celebrated parers are:

'72 Apple Parers,
"Baldwin" Apple Parers,
"Advance" Parer, Corer and Slicer.

NEW YORK PHILADELPHIA CHICAGO.



FLOWER-POT STANDS

OF ALL KINDS.
SEND FOR CATALOGUE.

Iron Fencing, Entrance Gates,

FIRE ESCAPES, JAIL CELLS, ROOF CRESTING, BANK and OFFICE RAILINGS, GRILLES,



AND ALL KINDS OF WIRE & IRON WORK.

E. T. BARNUM, DETROIT, MICH.
Agents Wanted Mention this paper.

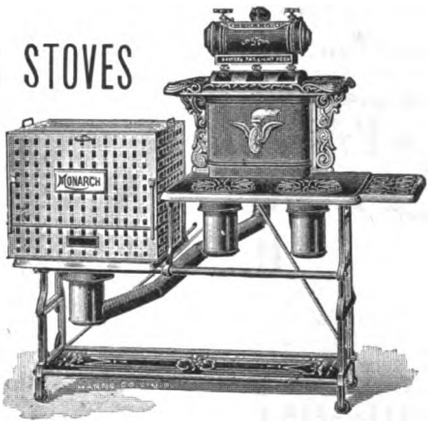
THE

MONARCH VAPOR COOKING STOVES

For Hot Weather,
And Embracing—

Cheap Stoves,
Complete Family Ranges,
Portable Ovens

And All Essential Features. . . .



The Monarch Stove Co.,
Mansfield, Ohio, U. S. A.

FAMILY GRINDSTONES.

Great Reduction in Prices.

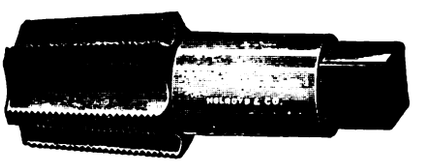
If you have not received our revised price list write for it.

The Cleveland Stone Co.,
Cleveland, O.



ATHOL MACHINE CO.,
Athol, Mass., U. S. A.
Manufacturers of
Vises, Meat Choppers,
Mechanics' Fine Tools, &c.
Send For Catalogue.

Hardware Dealers Send us your address and we will mail Catalogue and discount sheet of **STOCKS and DIES, TAPS, etc.**



Holroyd & Co.,
Waterford, N. Y.



STOVE LID LIFTERS

30 KINDS.
COPPERED, TINNED, NICKEL PLATED.

. . . WE MAKE TONS OF THEM. . . .

LOGAN & STROBRIDGE IRON CO., New Brighton, Pa.

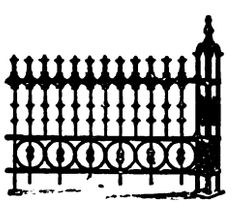
One of the First and Last Advertisers.

New Jersey Car Spring & Rubber Co., Jersey City, N. J. [*Rubber Goods*]: This company was one of the first to enter your list of advertisers, and we expect to be among the last to retire. We feel that HARDWARE is one of the publications we can't afford to stay out of.

WE WANT AGENTS TO SELL OUR **IRON FENCE**

We furnish first-class work at prices that bring the trade. Write for Catalogues, Prices and Terms

The Stewart Iron Works,
CINCINNATI, O.
Manufrs of Iron Fence, Jails, Architectural and Ornamental Iron Work.



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"EVERYTHING IS COMING UP."

BUSINESS IS BETTER AND THERE WILL BE A LARGER DEMAND THAN EVER FOR OUR

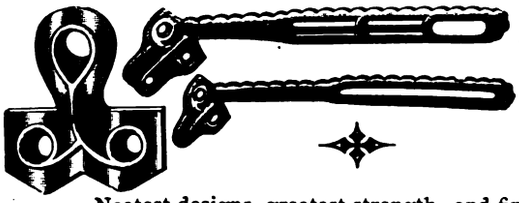
Sheep Skin Mitten.



Acknowledged to be the best article for polishing stoves, as it does away with the old time dirtiness of the work, making this work a pleasure. Also invaluable for polishing brass or glass, or silverware, which it does not scratch. For tan shoes and cleaning bicycles it has demonstrated itself a conspicuous success.

Diamond Hardware Co.,

624 Atlantic Ave., Boston, Mass.



PAIL EARS

SAUCEPAN HANDLES.

Neatest designs, greatest strength, and finest finish of any made. Large stock of all sizes constantly on hand and all orders filled promptly. By the gross, package or in bulk as desired. . . .

Send for Catalogue.

BERGER BROS.,
PHILADELPHIA, PA.



We can furnish you with

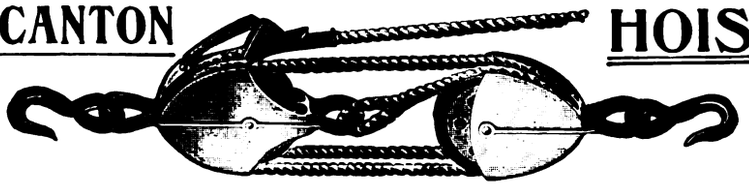
Staple Goods.

Such as Wire Nails Fence Staples, Plain and Galvanized Smooth Wire, Painted and Galvanized Barbed Wire.

THE SALEM WIRE NAIL CO., Salem, Ohio.

New York Office, 277 Broadway.

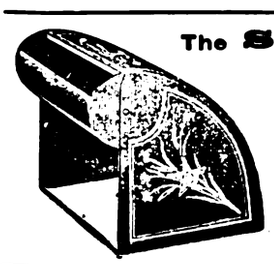
The CANTON HOIST



Can be used perpendicularly, horizontally, and at any angle. . . .

In factories of all kinds, foundries, quarries, mills and warehouses; also by contractors, carpenters, stone masons and all classes of mechanics. Manufactured by

THE NEY MFG. CO., CANTON, OHIO.



The STAR DEFLECTOR

SUPERIOR TO ALL OTHERS.

Used on Hot Air Furnaces and Radiators. Handsome, Simple, Durable. In moistening the atmosphere it overcomes the only objection to using Hot Air Furnaces. . . .

Manufactured only by

J. RUTHERFORD & SON,

111 S. Main Street, - - - - AKRON, OHIO.

THE FINISHED STEEL CO

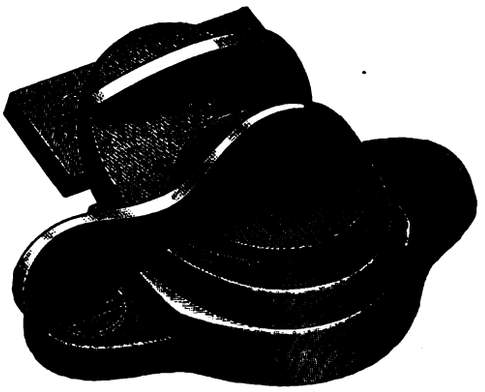
YOUNGSTOWN OHIO

MFR'S OF POLISHED SHAFTING

New Stamped Metal Sash Lock,

In Cold Rolled Steel, Bronze and Brass. In all the Popular Finishes.

LOCKS OPEN. LOCKS CLOSED.



The Ives Patent Sash Locks,

Have acknowledged superiority for the complete manner in which they perform the work they are intended to do. . . .

PATENTED AND PATENTS PENDING.

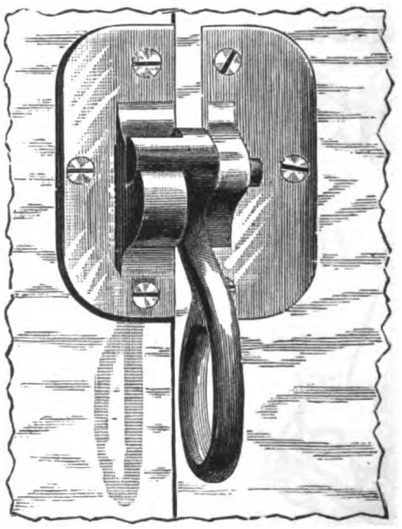
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HOBART B. IVES & CO.,
New Haven, Conn.

The CONROY PATENT

Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

Beware of Infringements. Paschall, Phila.

PLEASED with RESULTS.

John N. Hager, Fort Atkinson, Wis. [*Fork, Shovel, Rake and Hoe Brackets*]: Am well pleased with the results of my advertisement in HARDWARE.

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To Bicycle Riders.

WE MAKE OUR TUBE
OF FIFTY CARBON STEEL

Because a Tube like this of our Is just as strong as a Tube like this of

.50% CARBON STEEL

.25% CARBON STEEL

While weight for weight in a Bicycle our FIFTY CARBON Steel will last so long [redacted] and TWENTY-FIVE CARBON Steel will last only so long [redacted]

NOTE THE FULL IMPORT OF THE PARALLEL LINES.

The comparison which they graphically make indicates the result of the prolonged investigations of the most practical experts of the world.

That the tests in our own laboratory coroborate these results is merely so much to its credit; that the same is true of actual trial on the road equally proves the trial to have been made in bicycles of correct design and construction. THE FACT REMAINS.

The margin of safety is greatly increased by the use of this tube. Every bicycle manufacturer should use it; every dealer should insist on having it; every rider should demand it. Send for catalogue.

THE POPE TUBE CO., Hartford, Conn.

MODERN CLIMAX. NEW STEEL RANGE,

In both Portable and Flush Reservoir style. Popular sizes.



Taplin, Rice & Co., Mfrs., Akron, Ohio.

BICYCLES

. . . *Manufactured by*

Ames Mfg. Co.

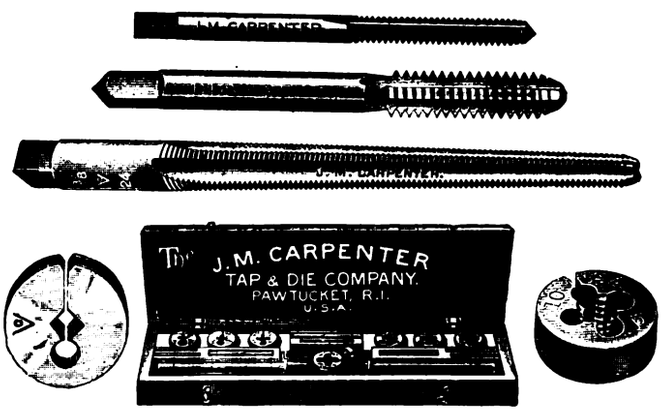
HIGH AND MEDIUM GRADES,

$100, $85, $75, $60.

Send for Catalogue.

ADDRESS

AMES MFG. CO., Chicopee, Mass.



Send for our **CATALOGUE No. 11 B,** describing

SCREW CUTTING TOOLS

FOR

BICYCLE REPAIR WORK.

LACLEDE & HERCULES BATTERIES



For Door Bells, Telephones, and Annunciators.

WARRANTED stronger and longer lived than any other Sal-Amoniac Battery made. . . . . .

MADE ONLY BY

PERU ELECTRIC MFG. CO.,

PERU, IND

ALSO MAKERS OF

ELECTRICAL PORCELAIN

OF ALL KINDS

Send for Catalogue.

SHOOT BLUE ROCKS.

For Sale by all Jobbers.

Foreign Trade Supplied Direct or Through Exporters.

The Cleveland Target Co.,

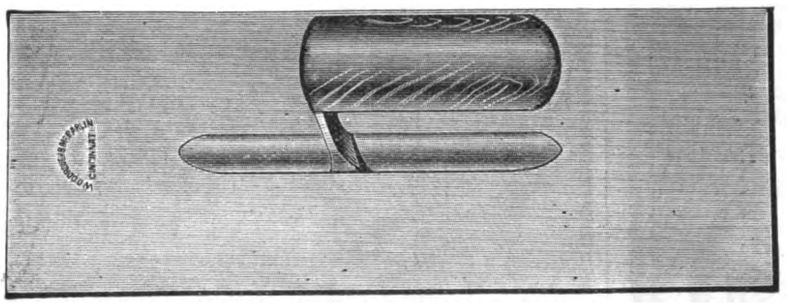
Cleveland, Ohio.

"TOO VALUABLE TO BE WITHOUT."

Charles T. Mitchell, Baltimore, Md.: HARDWARE is too valuable to be without.

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"There Are Others," But not the Genuine, ALL Imitations.



THE ONLY ORIGINAL

WOODROUGH & McPARLIN (CINCINNATI) PLASTERING TROWEL

——IS MFD. BY——

The National Saw Co., General Office: NEWARK, N. J.

STOP



Did you ever see the like?

Seven men on one ladder—and it a small Step Ladder too—and it would carry as many more if they could get on it.

You know it keeps the old style Step Ladder busy to carry one good sized man or woman without breaking down; and they last but a year or two at best. . . . . .

This Step Ladder Will Carry All You Want to Put On It,

and will last a lifetime if you treat it half decent. . . . . .

There is but One Step Ladder made for mechanics, and

THIS IS THE ONE.

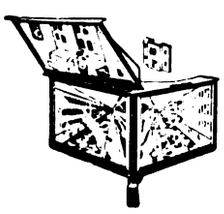
We manufacture—

Single Ladders, Extension Ladders, Single Bent Rung Step Ladders,

Which are all covered by patents.

No person else manufactures them but us. Write for Prices and Discounts.

Indiana Ladder Company, Indiana, Pa., U.S.A.



WINDOW MIRRORS

Enables a person to see up and down the street, eight to ten blocks, and who's on the door step. Can be attached to any house. . . .

THE BEST MADE, "THE PERFECTION."

We want live agents in every town in the United States and Canada. . . . Write us

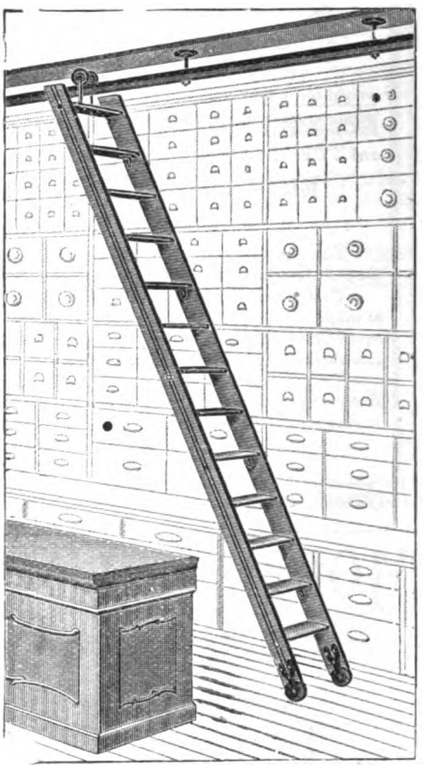
BAYER & CO., *28 North 13th St., PHILADELPHIA, PA.*





The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago or Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

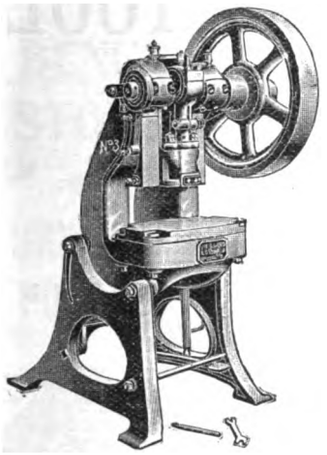
AGENCIES:

Eastern Agent, H. N. YOUNGS, 308 W. 22nd Street New York City.
New York and vicinity, E. J. HUSSEY & Co., 80 John Street, New York City.
California, JOHN WOODLOCK, 26 Beale Street, San Francisco, Cal
Northwestern States, HOWE SCALE Co., Portland, Oregon
Texas and Southwest, ED. FOY, Dallas, Tex.

Well Worth It.

I. B. Bolles, Wareham, Mass. [*Hardware and Farming tools*]: Enclosed find check for $1 for HARDWARE for the year 1897. We think it is well worth it. . . . .

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VIEILLARD & OSSWALD,

Manufacturers of

PRESSES AND DIES AND SPECIAL MACHINERY

FOR THE WORKING OF SHEET METAL

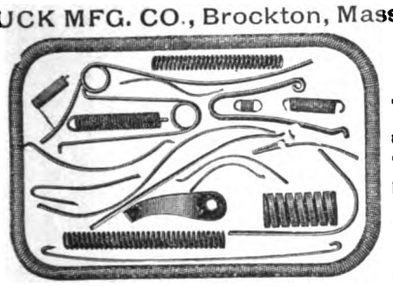
Dies for Sheet Steel Stampings a Specialty.

708-710 Jamaica Avenue, BROOKLYN, N. Y., U. S. A.

WRITE FOR PRICES.

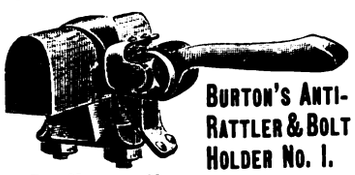
TUCK MFG. CO., Brockton, Mass.

Springs, Tools & Cutlery.



Send for Tool Catalogue.

Tempered Springs of all kinds.



BURTON'S ANTI-RATTLER & BOLT HOLDER No. 1.

Pat. Nov. 15, 1887.

If you want to know all about it wr te to

FERNALD MFG. CO,

NORTH EAST PA.

THE COLUMBIA SAFETY.

Self-Retaining

Dumb Waiters



Elevators,

Cellar Lifts and Speidel's Safety Hoists. . . . . .

Manufactured by

J. G. Speidel,

Send for Catalogue. READING, PA.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

We carry in stock 126 sizes and kinds of

SHOVELS, SPADES AND SCOOPS



MANUFACTURED BY

Oliver Ames & Sons Corporation.

Send for our Shovel Catalogue showing goods carried in stock.

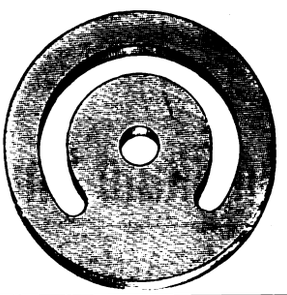
. . . FOR . . .

WIRE NAILS & STRAP HINGES

Address F. E. Kohler & Co.,

The Hardware Specialty Manufacturers,

CANTON, OHIO.



Kendrick Valve & Washer Co.

Valve and Plunger Leathers.

. Special Valves to Order . .

Special Leather Washers.

Tubular Well Cups. Iron and Brass Cylinder Cups.

Oil Well Valve Cups. Elevator Cups.

Special Cups to Order.

308 EAST WATER ST. SYRACUSE, N. Y.

MANUFACTURERS OF

PLUMBERS' WASHERS AND SPECIALTIES.

NICKEL PLATING

LACQUERS, CYANIDE POTASH, NICKEL SALTS.

ESTAB. 1820. INCOR. 1881.

THE HANSON & VAN WINKLE Co.

OFFICE AND WORKS

NEWARK, N.J., U.S.A.

NEW YORK. CHICAGO.

TRIPOLI, ROUGE, BUFFS, & C.

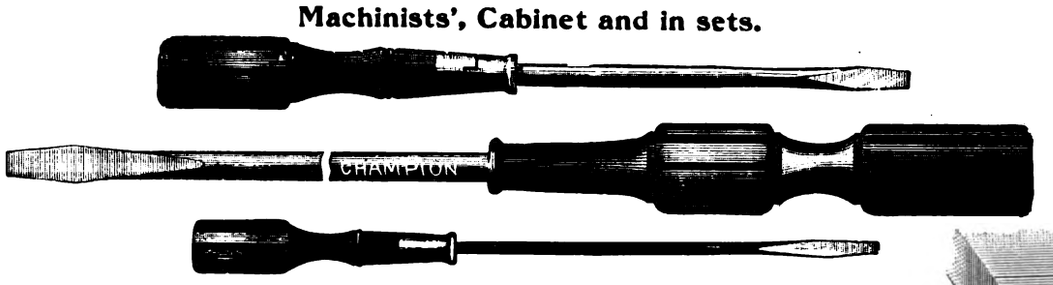
OUTFITS

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CARPENTERS AND MACHINISTS' TOOLS.

TOWER'S CHAMPION SCREW DRIVERS.

Machinists', Cabinet and in sets.



See that the word "CHAMPION" is on each Screw Driver.

STEPHENS' PAT. VISES.

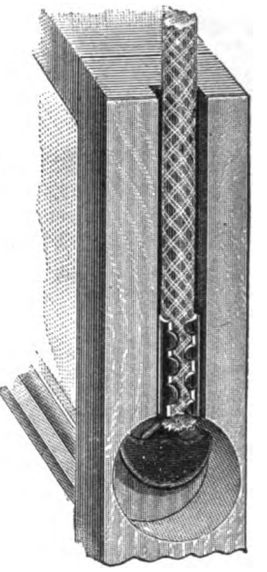


There are plenty of imitations to deceive.



PHILLIPS'

Sash Cord,
Sash Weight,
Sash Chain
and
Sash Ribbon
Fasteners.



Show Fastener in use.

TOWER & LYON,

95 CHAMBERS and 77 READE STS.,

MANUFACTURERS . . .

NEW YORK.

PADLOCKS, POLICE GOODS, ETC.

ICE SKATES.

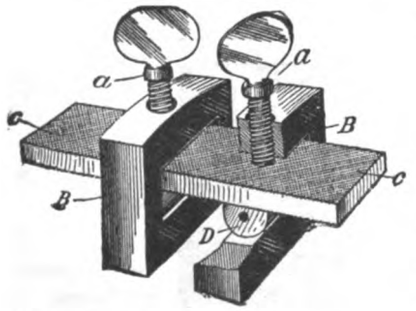


UNION HARDWARE CO.'S RACING SKATE,
CALLED THE
DONOGHUE RACING SKATE.
Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener

A New and Useful Article
Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. **Torrington, Conn.**

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MORRILL'S Perfect Saw Sets.

BENCH STOPS.

UNIVERSAL PUNCHES.

TRADE MARK

CAR SEALERS.

CUTTING NIPPERS.

This Trade Mark is stamped on all Saw Sets and other Hardware Specialties of my make.

CHARLES MORRILL, 35 Warren Street, New York.

E. C. Atkins & Co.,



Indianapolis, Ind.

MFRS. OF

CIRCULAR, BAND, CROSS-CUT AND HAND

SAWS.

THE ORIGINAL

TUTTLE TOOTH.

The best saw in the world for the money. Fine Steel. Patent Temper. Why not supply your trade with the best saws, and buy the Atkins Brands? They're the best.

BRANCH HOUSES:

Memphis, Tenn. - Chattanooga, Tenn.
Minneapolis, Minn.

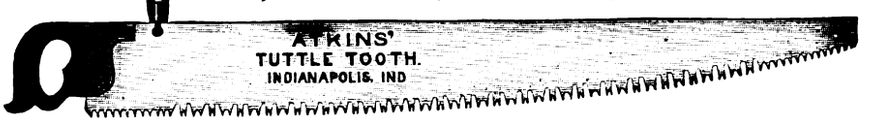
Write for Price List and Trade Prices.

ATKINS' BRAND

CROSS-CUT SAWS.

TRADE MARKS:

"Diamond," "Diamond Point," "Dexter,"
"Rex," "Victor," "Lance," "Columbian."



The Matchless Mop Wringer Co.,

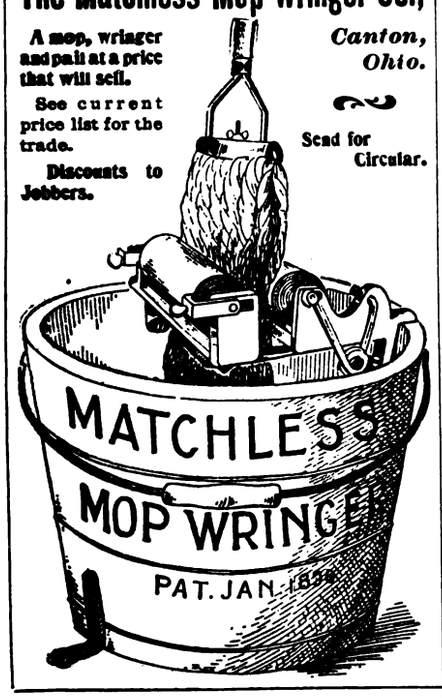
A mop, wringer and pail at a price that will sell.

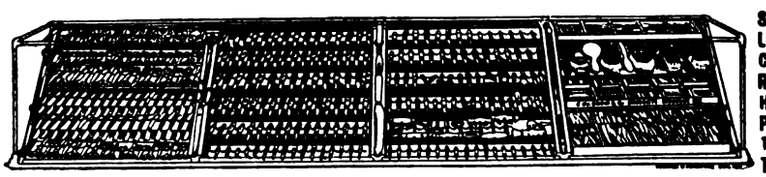
See current price list for the trade.

Discounts to Jobbers.

Canton, Ohio.

Send for Circular.





STILL IN THE LEAD, AND CONTINUE TO RECEIVE HIGHEST PRAISES THROUGHOUT THE WORLD.

All styles Show Cases and Trays. Also Trays made to fit your own Cases. Each Tray slides in and out. Brilliant display. Quick sales.

Campbell's Practical Sliding Display Trays, Pat. Dec. 1, '91.

Write us. Manufactured only by **CAMPBELL CUTLERY CO., Syracuse, N.Y., U.S.A.**

"DAILY FEEL THE BENEFIT."

Energy Mfg. Co., Philadelphia, Pa. [Dumb-waiters]: We daily feel the benefit of our card in your columns.

FRANK W. GILBERT, Prest. O. C. EDWARDS, Treas.

Crescent Emery Mills Co.

MANUFACTURERS OF

EMERY & ABRASIVE MATERIALS.

EMERY WHEELS.
GRINDING MACHINERY.

OSCAWANA, N. Y.

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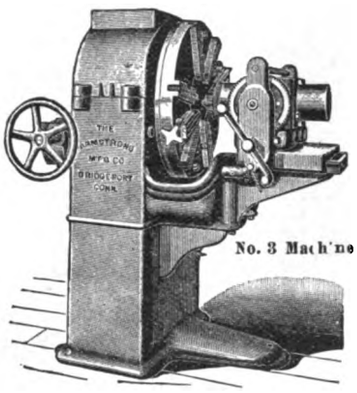
Your Stock Is Not Complete

Without a line of

The "ARMSTRONG"

PIPE THREADING & CUTTING OFF MACHINES, ADJUSTABLE STOCKS & DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—

THEY ARE ALL "STANDARDS" AND NAVER DISAPPOINT. CATALOGUE!



No. 3 Mach'ne



THE ARMSTRONG MFG. CO.,
Bridgeport, Conn.

——NEW YORK OFFICE: 139 CENTRE STREET.——

L. COES'

Genuine Improved

KNIFE HANDLE

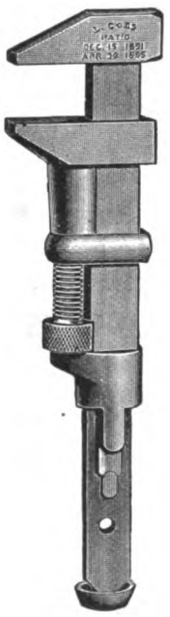
PATENT

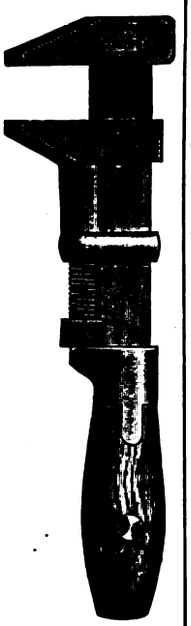
Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.





Established in 1839.
Registered April 9, 1895.

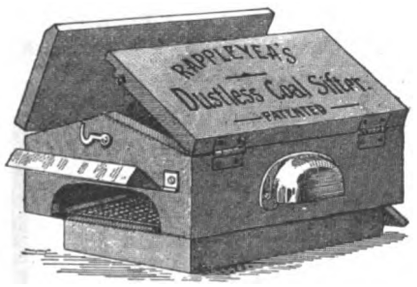
Patented Dec. 15, 1891.
Patented April 30, 1895.

Sectional View Illustrates our New Knife Handle, showing Manner of Construction.

☞ Straight Bar, Extra Long Nut for Screw in Jaw. ☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.
JOHN H. GRAHAM & CO. } New York Agents.



Rapplegea's Dustless Ash Sifter

WILL LAST A LIFETIME.

Price, Complete, $1.00.

MANUFACTURED BY . . .

THE NEWBURGH SIFTER MFG. CO.,
Newburgh, N. Y.

E. F. BENSON, JR.,
SOLE NEW ENGLAND AGENT,
146 Franklin St., Boston. Mass.

WITH PFLUEGERS LUMINOUS BAIT

You catch fish, while with others you might. Made in every suitable size and pattern known to modern anglers for



Trolling,
Casting,
and **Still Fishing.**

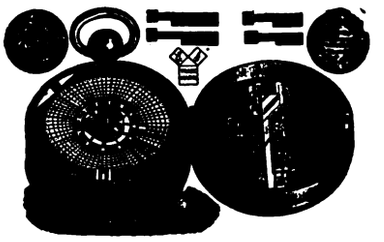
All enterprising dealers sell it. If not, address



The Enterprise Mfg. Co., Akron, Ohio, U. S. A.

Large Illustrated Catalogue mailed free.

Watchman's Improved Time Detectors



12 and 24 different Keys, with Safety Lock Attachments. U. S. Patents, 1875-76-77. Re-Issue, 1880. Trade Marks 1881, 1882.

1876. Highest Award and Medal of Honor at the Centennial Exhibition, for Portability, Security, and general adaptation for purposes intended.

1877, 78, 79. Medals for Excellence and Superiority at the American Institute.

1881. Award at the International Cotton Exposition in Atlanta.

1883. At the National Exposition for Railway Appliances at Chicago, the only Medal for the most Complete and Perfect Instrument.

This Watchman's Time Detector contains all the modern improvements. The only perfect instrument in the market. Warranted in every way. It cannot be tampered with successfully.

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206 Broadway, New York.

OHIO METAL CO.,

NORWALK, OHIO.



Awarded the Medal at Atlanta Exposition

Incorrodible Steel Hitching Post, ornamental and lasts a lifetime.

Automatically takes up slack of chain.

Freedom and comfort for animal. Safety and security for owner.

Ready Sellers.

Write for prices and secure exclusive agency for your city.

"With Gratifying Results"

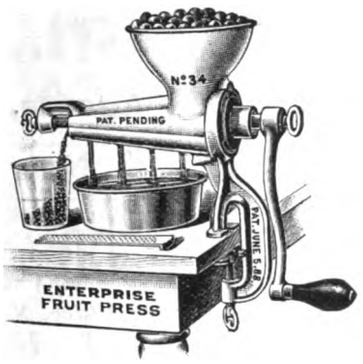
New York Belting & Packing Co., Ltd., New York. [*Belting, Garden Hose, Water Hose, Steam Hose, Packing and Rubber Specialties*]: We have been carrying quite a prominent advertisement in HARDWARE with gratifying results. That we expect to continue this advertisement is the best evidence we can give of our regard for it as an excellent medium.

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Fruit, Wine and Jelly Press

TINNED



No. 34, $3.00

Raisin and Grape Seeder

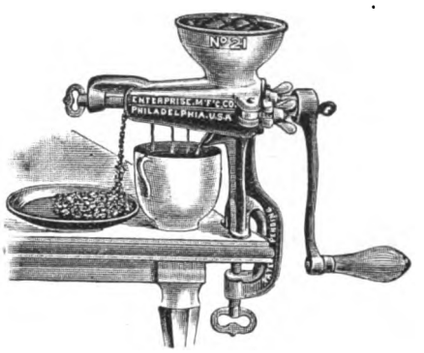
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No. 36, $10.00 per dozen
No. 38, 30.00 per dozen

Meat Juice Extractor

TINNED



No. 21, $2.50

Consult your Jobber

Descriptive Catalogue Free

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New York Branch, J. C. McCARTY & Co., 10 Warren Street

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ESTABLISHED 1835.

JOHN CHATILLON & SONS,

Sole Agents:
FOSTER BROS. CO., Butchers' Knives and Tools.
PHOENIX KNIFE CO., Pocket Knives, &c.
FRIEDERICH DICK, Butchers' Steels, &c.

MANUFACTURERS OF

SCALES, BUTCHERS' TOOLS AND MACHINERY.

85 to 93 Cliff Street, NEW YORK.



The Canton Steel Roofing Co., Canton, Ohio.

MANUFACTURERS.

STAMPED CEILINGS,

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Sheet Metal Goods for Buildings,

Iron Shutters and Doors, Roof Paints, etc.

Best construction, quality and workmanship guaranteed.

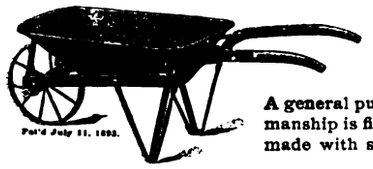
J. K. WILLIAMS,
MACHINE SHOP.

210 CHERRY STREET,
AKRON, OHIO.

Special Machinery

Estimates made on all kinds of Special Machinery, Boiler Tube Expanders, Bicycle Tire Moulds, Moulds for all kinds of Rubber Goods, Hangers, Shafting, Clay Working Machinery, etc. Write for Estimates.

ALL STEEL BARROWS Except Handles.



For Coal, Ashes, Cinders, etc.

A general purpose barrow. Capacity of tray, 4 cubic feet. The workmanship is first class in every respect; all riveted together. But wheels made with self-oiling boxes. Make your orders now for 1897.

THE ARNOLD METAL WHEEL CO., • • New London, Ohio.

You take no risk on the quality. We make only the best!



Sand Papers IN **Reams and Rolls** { Flint Paper, Garnet Paper, Emery Paper, Emery Cloth

HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators.

BAEDER, ADAMSON & CO

730 MARKET STREET, PHILADELPHIA.
87 BEEKMAN STREET, NEW YORK.
143 MILK STREET, BOSTON.
182 LAKE STREET, CHICAGO.

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The Best Equipped File Works in the World

Samuel W. Allerton. Prest. C. C. Clarke, Sec'y & Treas. A. Weed, Vice-Prest. & Gen. Manager.

The Arcade File Works

Established 1842.

WEED'S IMPROVED CUT
GUARANTEE SEAL
ALL FILES ARE FULLY GUARANTEED
SPECIAL TEMPER

Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

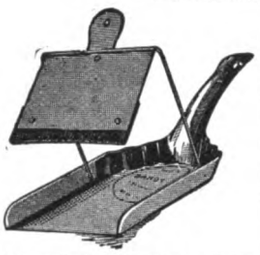
New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 97 Chambers St. and 79 Reade St. New York.

The DANDY SINK CLEANER.

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Household Specialty.

A Sink Cleaner and Shovel Combined. . .

Tidy housekeepers will throw away the dirty sink broom and buy the Dandy Sink Cleaner on Sight . . . .

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

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SICKELS & NUTTING CO.,

Office, 35 Barclay Street, Warehouse, 40 Park Place, New York.

NEW YORK AGENTS FOR THE

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The Cortland Door and Window Screen Co.

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Union Steel Screw Co., Wood Screws.

. . RELAY BICYCLES . .

SICKELS, PRESTON & NUTTING CO., Davenport, Iowa.

U. S. CLUB SKATES

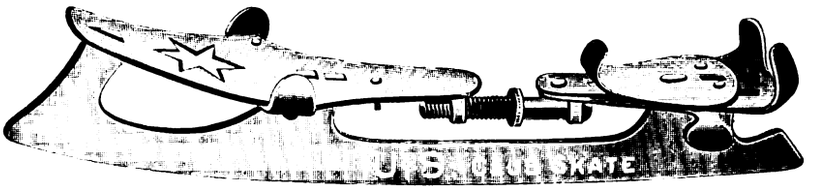
For Season of 1897 and 1898.

Manufactured by P. Lowentraut.

"U. S." LADIES CLUB SKATE.



"U. S." CLUB SKATE.



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P. O. Box 1042. 113 Chambers St., New York.

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GET OUR REDUCED PRICES



MYERS

WELL TANK & SPRAY PUMPS

HAY CARRIERS, FORKS, PULLEYS &C..



F. E. MYERS & BRO.

ASHLAND, OHIO.

FILBERT.CIN.

BRUCE & COOK,

TIN PLATES AND METALS,

186, 188 and 190 Water St.,
248 and 250 Pearl St., NEW YORK.

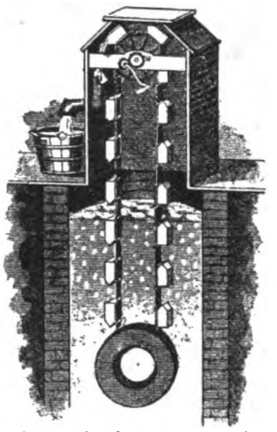
We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—
Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Manoer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

THE ONLY "PERFECTION" WATER ELEVATOR AND PURIFYING PUMP



Dealers, get in line and sell your trade an article you can guarantee for ten years. The chain or buckets is the principal factor in any elevator. The **Perfection Bucket** is cut by die in one piece of **Black Open Hearth Steel** folded together by double lap seams, and the entire chain **Galvanized** after **Construction.** Others are made of several pieces of galvanized iron soldered together. Simply this one feature is a sufficient guarantee that the **Perfection** has no equal. It is handled by all leading jobbers throughout the world. Call for the **Perfection.** Take no substitute.

It is the simplest structure for raising water on the continent; guaranteed never to freeze. . .

For full particulars, circulars, etc., address the sole manufacturers.

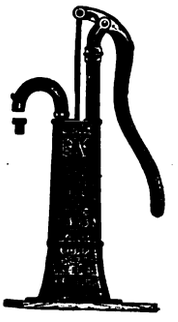
St. Joseph Pump & Mfg. Co., St. Joseph, Mo., U. S. A.

. . . THE . . .

CHASE PUMP & MFG. CO.,

Manufacturers of the Most Complete Line of

DOUBLE-ACTING FORCE LIFT and WIND MILL PUMPS



On the Market.

The ONLY Pump with ALUMINUM VALVE SEAT.

Write for Catalogue and Prices.

THE CHASE PUMP & MFG. CO.,

Ment'on this paper. COLUMBUS, OHIO.

BRANCH HOUSES:

SCOBIE & PARKER. Pittsburg, Pa.
PARLIN & ORENDORFF CO., St. Louis, Mo.



PITTSBURGH PUMP CO.

MANUFACTURERS OF ALL KINDS OF

FORCE LIFT SPRAY TANK **PUMPS**

SEND FOR CATALOGUE

322 LIBERTY ST. PITTSBURGH PA.

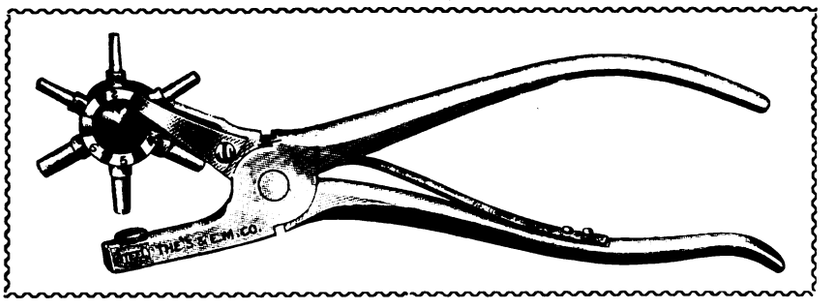
HAVE BEEN WELL SATISFIED

Buffalo Cycle Co., Buffalo, N.Y. [*Bicycles*]: We are pleased indeed to add our testimonial to the merits of HARDWARE as an advertising medium. We have been extremely well satisfied with our advertising therein, although of course it is impossible for any manufacturer to trace the ratio of direct results from any one paper. . . . . .

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NEW CATALOGUE

. . . NOW READY . . .



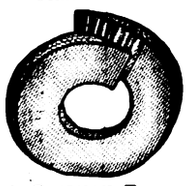
Hardware
Plumbers'
Bicycle
} Specialties.

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.,
U. S. A.

Mention "HARDWARE."

TRADE MARK.



A. CHIPMAN, Treas.

GOULD'S STEAM & WATER PACKING

Never sticks the Throttle.
The Original Ring Packing.
In ordering give EXACT diameter of Stuffing Box and Valve Stem.
None genuine without this Trade Mark.
THE GOULD PACKING CO.,
EAST CAMBRIDGE, MASS.

STITCHED COTTON BELTING

FOR MACHINE DRIVING.



FOR THRESHER MACHINES.

Write for price list and discounts.

THE ROSSENDALE-REDDAWAY BELTING & HOSE CO., - NEWARK, N. J., U. S. A.
Manufacturers of all kinds of Belting and Linen Fire Hose.

Dumb Waiters..... that don't keep you waiting.
Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.
THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

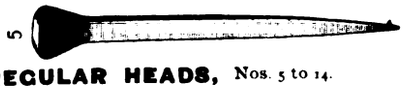
PATENT DUST-PROOF **METAL CEILINGS.**
S. KEIGHLEY & CO., only Mfrs. 49-53 Locust St., Pittsburg, Pa.

PATENT INTERLOCKING DUST-PROOF JOINT.
Best construction. Being adopted by all architects. Easily and cheaply applied. Costs no more than the old-fashioned lap joint. **Send for Catalogue.**

TURF NAILS, Nos. 1 to 5.



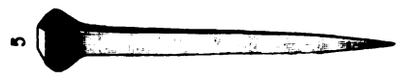
FRENCH HEADS, will fill any shoe punched or creased. Nos. 3 to 8.



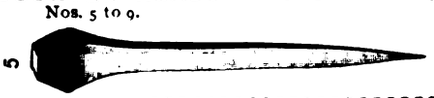
REGULAR HEADS, Nos. 5 to 14.



CITY HEADS, for shallow creased shoes, Nos. 5 to 9.



COUNTER HEADS or **FROST NAILS,** Nos. 5 to 9.



PUTNAM NAIL COMPANY

NEW DEPARTURE.

In consequence of the action of the National Hardware Association, we now propose to sell direct to the general jobbers of the country. . . . . .
All restrictions have been removed as to quotations to be made by the trade from ocean to ocean. . . .
The high quality of the Putnam Nail makes it an easier seller at an advanced price over nails made by rolling and shearing. . . . . .
In case local dealer does not handle our goods, address

The Putnam Nail Co., Neponset, Boston, Mass.

235 Lake St., Chicago, Ill.
12-14 Drum St., San Francisco, Cal.

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HARDWARE

VOL. XV. AUGUST 25, 1897. NO. 10.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade. Published the 10th and 25th of each month, by the HARDWARE PUBLISHING CO., No. 143 CHAMBERS ST., NEW YORK.

BRANCH OFFICES: CHICAGO, - - - - - ASHLAND BLOCK. BOSTON, - - No. 33 EQUITABLE BUILDING. CINCINNATI, No. 103 LINCOLN INN COURT BLDG.

Subscription, $1.00 per year. Subscription, Foreign, $1.50 per year.

JAMES H. KENNEDY, - Editor and Manager.
HENRY HOPKINS, - - Associate Editor.
FRANK REIFSNIDER, - Western Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted to the Hardware Trade.

Editorial Trade Review.

Encouraging reports continue from all over the land, almost without a discordant note to disturb the harmony of the prosperous conditions which surround every industry.

"It's in the air," and many factories without having orders ahead for months of product to justify the action, are wide-awake enough to replenish their diminished stocks, and engaged in preparing for the volume of trade which will undoubtedly follow.

Few brighter stars can be shown in the sky of our nation's prosperity than the bright one that shines for "dollar wheat." The most glorious imagination after the depressing experience of the past few years, could scarcely have dreamed a vision of so much brilliancy for our commercial future as is indicated in that shibboleth, "dollar wheat."

The independence usually associated with the characteristics of an American farmer once again stiffens his backbone, and he looks his creditors in the face, pays off the mortgage which for years has made him feel his fertile farm possessed no equity for him, and for 1898 will be found increasing his area of cultivation by the aid of new machinery which he will buy and pay for.

Under this inspiration, our agricultural nation draws a full breath, and vitality is felt in every industrial corner throughout the country.

Changes of prices in manufactured Hardware have as yet done no more than brace up the unsettled conditions too long their most important feature.

The extreme low prices prevailing on heavy Hardware are no longer obtainable, having been withdrawn as speedily as the manufacturer—who has seen no dividends for a year or more—is able to realize there is a strong probability of doing again a remunerative business. He does not want his order book filled up with a pile of orders from the prices on which it would puzzle the proverbial Philadelphia lawyer to figure a profit.

A number of early orders have already been received from the jobbers direct, by the manufacturers and their commission houses; but the old-fashioned stock orders are still held in abeyance until the present prosperous outlook is confirmed beyond all peradventure.

Confidence has been described as a plant of tardy growth, but it is already planted in the rich and fertile soil of "improved conditions," and the full fruition of its growth is not far distant.

The Advantages Of Organized Effort.

The wonderful growth of the Merchants' Association, of this city, which has recently completed the second month since its incorporation, is without a paralell; the enterprising and energetic members through whose initial efforts the association was formed, deserve the highest praise from their associate members and the other merchants of New York, for the success they have achieved and the corresponding impetus toward a good business now felt in all channels of trade.

Only a few months ago and the movement existed only as a possibility; to-day it is an assured fact, and over 800 resident members and an army composed o nearly 25,000 non-resident members make full and frank acknowledgment of its sphere of usefulness. Every resident member can be relied upon to give to the work in hand his time and best energies, in order to extend the utility of the association and aid in increasing the commercial importance of our unrivaled city.

Thousands of buyers, many of them visiting our city for the first time, have already become familiar with the vast resources controlled by the New York markets. The register at the rooms of the association, in the New York Life Building, is daily becoming filled with the representative names of visiting merchants, already exceeding 1500, who have availed themselves of the low rates of fare made possible by the association's tireless exertions, and by their presence here in such large numbers have enabled its officers to secure concessions of railroad freight rates in addition, which will be felt and appreciated by the dealers and their customers in every state represented A glad welcome has been extended to the accession of buyers who have already started to receive benefit from our metropolitan advantages.

The names already registered give but a faint idea of the number of merchants who have been brought here by the association; many buyers for personal reasons do not wish to place their names on the record until their buying is completed and they are prepared to return home. But all those who have been seen at the rooms express their highest gratification at the extent of the markets in all lines noticeable at this time. It is the hope and expectation of the association to increase the membership of the resident and non-resident members to 65,000 in a very short time; when it so succeeds in doing, it will become the largest organization of its kind in the world.

There are many thousands of merchants yet to be

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reached, many of whom even among our own merchants have not had their forceful attention called to this important organization and its vast field of labor. We regret to say that occasionally some old fogy is found belittling the efforts, deriding the sentiment, ignoring the patriotism and undervaluing the importance which so great a step as this possesses for the good of New York; a movement so fraught with significance in the upholding of our prestige, and so suggestive of future profit, in consequence of the increasing outlet naturally to be anticipated, when the present race of progressive buyers shall have explored the many and vast resources of the leading commercial city of the nation.

John J. Tower's Trip Abroad.

John J. Tower returned on Aug. 6 from a two months' vacation abroad which, accompanied by his daughter, he passed in England and Scotland, visiting every place of importance from Abbotsford to Stratford-on-Avon, and having an extremely enjoyable period of rest to which he was well entitled after many years of devotion to business. This trip, especially on the voyage out, was pleasant and free from annoyance even of the slightest character, finding a welcome hospitality displayed on the *Anchoria* by the captain and his staff, that made every moment one of enjoyment and filled with delightful experiences. The health of Mr. Tower's daughter, for the improvement of which more than anything else the visit abroad was made, showed signs of great benefit, and she remained in England to enjoy for a longer period the health-producing latitudes of the English lakes. Mr. Tower returns with renewed confidence in the extension of our export trade, especially in the improved tools of Yankee manufacture. While the field of observation was of a limited character, confined more particularly to England and Scotland, he was greatly impressed by what he saw, as in every Hardware establishment visited the signs of progress were manifested to a great degree by noticing a large assortment of American made goods, showing that the mechanics of Great Britain were no longer so hidebound and opinionated as to see no benefit in improved methods or advanced ideas in the line of American mechanical progress. Extreme conservatism and frugality of expenditure are the characteristics of a large majority of the business houses he visited, many, even of the larger emporiums, being found in houses that were formerly used as dwellings, and without any extravagant outlay for outer adornment of display only. The feeling among the merchants with whom he came in contact, was of a growing cordiality toward this country, and with a welcome hand extended toward our products, where a chance existed for making a profit in handling them. A little slower, perhaps, to grasp the ideas we desire to convey, but they keep on thinking it out, and finally "get there and stay there" when they do. As this was Mr. Tower's first trip abroad, let us hope the enjoyment afforded him by his friendly experience will prepare him to take a similar trip annually, in the interests of the many progressive lines of goods associated with which there is no name in the country more familiar to the trade than that of John J. Tower, of Tower & Lyon, New York.

H. L. Daughtry, who was for twenty-five years buyer for the Hardware house of A. W. Lightfoot, will open, about September 15th, a Hardware store in the stand formerly occupied by T. C. Pinkard, in Opelika, Ala.

Buy with confidence and judgment and sell with profit and honesty.—*Exchange.*

"Will" Graham At Home Again.

William A. Graham, of the firm of John H. Graham & Co., accompanied by his wife, returned from a ten weeks' trip abroad, on Saturday, 14th inst. They returned on the steamer *Paris*, having had a very agreeable voyage, and without suffering any of the unpleasantness usually associated with "crossing the big pond." Being greatly improved by his vacation, and considerably stouter, Mr. Graham looks more like himself than he has in some time; it was a season of rest and recuperation, notwithstanding he did not know while abroad an idle moment, being constantly on the go, either in London or on the Continent during his entire absence. He returns in season to welcome the prosperous conditions surrounding the Hardware business, which he has long anticipated.

The late Theodore Havemeyer, the New York millionaire, in speaking of the causes of his success in business, once said: "For twenty-five years I was at work at seven A.M., and did not leave the refinery until seven P.M. I never went to bed at night until I had gone through the whole establishment. Many times I worked all the night long. While I was a single man my expenses never exceeded $50 a month. Pilot bread and cheese made for me many a meal. A canvas suit was my daily apparel, and there was no part of the business at which I and my brother did not work; no part we considered too dirty or too arduous or beneath us." In short, industry and frugality were the foundation stones of fortune in this as in countless other cases; yet the professional agitators, who rail against wealth as a crime, will never believe that it is simply the natural and material increment of the exercise of such virtues.—*Exchange.*

E. C. Van Glahn, of White, Van Glahn & Co., New York, is once more seen at the Hardware Club, filled with reminisences of his five weeks' tour to the Pacific Coast, proud of the size and greatness of his country, as he saw it from the car windows, but satisfied that, as a place for home and business, New York is good enough for him. He secured the rest and change he was after, and has come back fully prepared to grapple with his share of the coming national prosperity.

Hardware Terms Illustrated.



"A GIN HOIST."

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DRUMMERS' MISERIES.

Almost half the people connected with any established industry like the Hardware business, imagine that the traveling representatives have one prolonged picnic, all the time they are away on the road doing their level best to encourage the customers of the house to buy something, so the firm can make a small profit over the outlay for clerk hire and other expenses. The member of the firm not traveling himself, who believes the drummer has an easy time of it, is advised to take a short trip himself of a couple of hundreds of miles in either direction, and learn just how restful an occupation it is to assume the persuasive manner and coax out of the buyer the few orders the firms are on the anxious seat to get.

At the Club the other day, when a half dozen of us got together to rehearse the many unenjoyable scenes that lingered in our memories with a flavor of unpleasant consequences, I asked them each and all to contribute a sample of those moments of misery, and below I present them, firmly believing they will find an echo in the heart of many a brother traveler who can say "that sounds natural; I've been there many a time and oft."

This is what No. 1 contributed:

"Hire a horse and wagon to go twelve miles from the railroad to see an old customer, which you do, but quit at so late an hour you have no wish to return before morning. You start the next morning to go back, and are confident you know the road so well that you have no desire to display your ignorance by inquiring about your route. All of a sudden, as you are plodding along with your old plug of a horse, you strike a bend in the road that is decidedly unfamiliar, not having passed it the day previous; the cold sweat of doubt makes goose flesh all over your sensitive hide, as you inquire from a passing wayfarer if this isn't the road to ———, naming the town you have no wish to reach, and find out in a moment that all your doubts are removed when the wayfaring man answers 'Yes.' Six miles out of your way—oh, me! oh, my! You regretfully retrace your traveling, and try to hurry by your informant, but not quick enough to avoid his query: 'What's the matter, stranger, lost something?' Well, I should say so."

How is this for No. 2:

"Getting home from a ten weeks' trip two days ahead of time, on purpose to surprise your wife, who from recent letters telling how lonely the flat was without you, almost gave you the fear she was sick a-bed. You find the flat hermetically sealed when you reach home at 9 P.M., and the neighbors on the floor above, hearing your impatient knocking, inform you that 'your wife has gone to the theatre with her brother'—the only one she has lives in Florida, and you begin to have vague fears. Rather than keep the neighbors asking questions, you say you will sit on the stoop and await her return, which, as the hours go by, does not keep you in a happy condition. After smoking up all the cigars you have left from your expense account, your better half shows up in good health about 12:45 A.M., and with her Florida brother from the sands of Tampa, sure enough. Of course, it makes you hungry to hear her describe the luscious bivalves she stopped at Dorlon's to enjoy, and which occasioned her late arrival. She presents a knockout disclaimer when she says: 'You ought to have telegraphed, dear; you always did before.'"

Then No. 3 said "I can fairly match that in the following:

"Find, on arriving home unexpectedly, two days ahead of your schedule programme, that the house is all locked up so tightly that 'Nosey Gibbons,' the burglar, couldn't have effected an entrance. Then learn from neighbors that at her mother's unexpected invitation, dearest is spending a week at Asbury Park, and will be home with the baby tomorrow evening, 'which is one day before the time you said you would arrive.' You are compelled to go to a hotel to sleep that night, 'all the other places being shut up.'"

No. 4 contributed three of a kind:

"Taking a freight train to go ten miles, and save time. Have it meet with a series of unheard of mishaps, which compel it, after going half the distance, to lay up on a side track, until the passenger train which you ought to have taken dashes by with 'Empire State' velocity, and you reach your destination on the 'fast freight' one hour later. Compelled to put up at a so-called hotel close to the depot, because there is no conveyance by which you can get to the town wanted—distant two miles.

"Getting on a train at the station, at a time when the hotel opposite is just ringing the gong for supper, and you actually hungry for the first time in two days. Due at your station at 11:30, too late to get anything to eat, even if you could find anybody up except the porter.

"Getting the points of the compass so badly mixed, that having to get on one of two trains standing at the depot, you board the wrong one, and do not find how great a chump you are until you complacently hand the conductor your ticket, and he as serenely informs you 'this train goes South.' Fare, $1.20, to the next stopping place, your present train being an express. You sleep that night 130 miles away from your trunks, and swear yourself to sleep."

Then No. 5 gave us a good one.

"Arriving at a town never before visited, for the express purpose of calling on an 'old customer' who has sent no orders in some time, and you feel must have a grievance which you can explain away: you find on your arrival at the station that the town is on the other side of the river, reached only by a ferry which is quarter of a mile away. Reaching the other side you find the place you seek is at 'the village,' which a native informs you is a mile up the road; you start hopefully, find the country mile is more nearly a mile and a half, all up hill at that, and when you have arrived at the Hardware store, which you do finally, you learn the man you are in quest of has been 'out of business' some months, leaving a successor who is so infernally deaf you could not make him hear without a megaphone, to save your neck. You avoid drumming him, really for fear you would be obliged to sell him."

Then he added: "Here's a little one that occurred as recently as last week:

"Handing a dealer your card, which by the way was an artistically handsome one, and using all your eloquence to create a favorable impression, the only result of which seems to be that you create in him a hypnotic state of mental abstraction, during which he tears your card up into very small pieces, and you cannot nerve yourself to embarrass him by giving him another one."

Just at this moment the party was compelled to postpone further post prandial reminiscences by one of the boys being summoned by telephone, two Southern buyers having arrived.

HOP.

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The "Oldman's" Corner.

Editor Hardware: Just back from my summer vacation, and ready to take a new hold on business. Times are much brighter, and all of us up this way are preparing for the big fall trade.

I spent a week at Martha's Vineyard. Was brought up in the Methodist church, and am even yet counted as a sort of brother-in-law in that denomination, therefore gravitated naturally to the spot where Methodists prenominate, and where Cottage City is a living monument to the enterprise and denominational power of that great church organization.

As I sat on the veranda of my hotel the other day, a good brother came up and said to me: "Oldman, don't you want to take part in a game of croquet?"

As I used to play with the children a great deal, I assented. He led me over to the edge of the town, where I expected to see a greensward covered with hoops as large as those on a barrel, and people pounding each other all over creation. Instead of this, they showed me a piece of pounded sand about the size of a billiard table, with rubber cushions around the sides and hoops about two inches apart. The balls were just large enough to squeeze through the wickets by a tight shave, and the mallets were so short that a man had to lean over and break his back to reach the ball. There was more science in the game than in any billiards ever played, and before I had made two strokes they laughed me off the ground.

The fact is, that this seemingly childish game of croquet has been developed into a real science, and must be played in a scientific manner. Among the players, I met my old friend Corbin, of New Britain, and Jennings, of Deep River, Conn. As my other friend, George Hart, of the Stanley Works, has been visiting Mr. Corbin, it is to be presumed that he has had a very lively summer. Among the adepts in this great game, whom I also met, were Mr. Rand, the map man of Chicago; Mr. Tuffts, of soda-water fountain fame, Boston, and J. S. Babcock, the well-known stationery manufacturer of New York. These "old boys" went into the game with blood in their eyes, and when they were playing it was a good time for amateurs to stand in the background and make no suggestions.

ONE ON THE GROCER.

They are telling a good story on my friend, the grocer, next door. The other day a woman came in and said: "I want two dozen hen's eggs. They must all be eggs laid by *black hens.*"

The grocer said: "Madam, I am willing to accommodate you, but you have got the best of me this time. I don't know how to tell the eggs of a black hen from those of a speckled or white one."

Said she: "I can tell the difference, mighty quick."

"If that is so, madam, will you kindly pick out the eggs for yourself?"

She did so, and when the two dozen were counted into her basket, the grocer looked at them and said suggestively: "Well, madam, it seems as though *the black hens laid all the big eggs.*"

"Yes," said she, "that's the way you tell them."

A POINTER FOR CLERKS.

I once had two clerks. Eames was getting twelve dollars a week, and Roberts fifteen. Eames asked for a raise. I told him that his services would not, as yet, justify it, and that the business could not afford it. He was not satisfied, even after I told him I would do better by him just as soon as I could.

A few days afterwards, Roberts had occasion to criticise his associate for a very apparent lack of interest in the job in hand. Eames answered, "Well, I guess I do it well enough for twelve dollars a week."

It was in that spirit his work was done. He was getting only twelve dollars, and was determined to earn no more until paid more. Roberts, on the other hand, put in his best efforts, and tried to make himself more valuable with every day that passed.

I am to-day paying Roberts $2100 per year, while I was compelled to discharge Eames at the end of his first year.

WHAT IS CONFIDENCE?

"What constitutes a return of business confidence?" asked the man on the nail keg, in my store, the other evening.

The 'Squire, some years ago, learned it all; and what he does not know, he makes up.

"Business confidence?" responded this walking cyclopedia of opinions. "It is only a general agreement among business men, to let her go!"

"For instance?" I asked.

"Just this way. Suppose I had here in my trousers pocket one thousand dollars—"

"Can we imagine that?" asked the little fellow by the stove.

"And suppose I hold on to that thousand, because I am afraid to spend it. I lack confidence you see—am afraid I won't get it back, because times are hard. After a while something happens—they pass a tariff bill, or get up a war in Africa, or I see the moon over my left shoulder—and I say to myself: I guess it will be safe to send that wad where it will be doing some good. So I take it out, and pay Bill that ten dollars I owe him—"

"Shall I write the receipt, Squire?" asked Bill.

"And then I go to Smith and order a new harness, and buy a keg of nails of Oldman here, and get a new suit of clothes, and lay in my coal. That thousand dollars gets into the arteries of trade, and circulates through the system politic, and does a lot of good. Each man who gets a portion of it feels better. He takes it, and pays some one he owes, or purchases something he needs. That's all there is to it."

"Then the whole country depends on you, does it? When do you propose to set her going, Squire?" asked the man on the nail keg.

"Fellows with your microscopic minds," answered the old man with dignity, "fail so often in their intellects, because they don't generalize. Everybody here except you, knows that I used myself only as an example. A return of confidence comes, when seven out of every ten men, the country over, say to themselves, 'Why better times are here at last!' and act accordingly. They begin to buy and to pay, and there she is. Before you know it, the whole thing is on a swing. Factories open, stores stock up, freight rushes to the railroads, wages are paid out, consumers begin to purchase, and the depression is over. That's what it is, and that is all there is to it."

I guess that, for once, the old man was right. The next drummer who strikes this store, will get an order, sure!

A. N. Oldman.

One hen is equal to an acre of land, according to the calculations of a Central Branch, Kans., farmer, who figures that whereas the ground produces in a year twenty bushels of corn, worth $2, the hen, which costs less to take care of, lays ten dozen eggs, worth $1.50.—*Stoves and Hardware Reporter.*

Nine-tenths of the whisk brooms sold and used in the United States are made from broom corn grown in Kansas. Most of the brooms are manufactured in Rochester and other eastern cities, but the raw material comes from Kansas.

A poor ad. in a good position won't sell goods. A good ad. in any old position will sell goods.—*Exchange.*

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Machinery vs. Labor.

The readers of *Hardware* will bear in mind the statements recently made by Bisop Potter, of New York, in regard to the evil effects of machinery, upon the lives and fortunes of the laboring man.

The Rev. N. B. Hillis, of Chicago, takes an entirely opposite view to that expressed by the good Bishop, and in a recent sermon declared that God had given to each century some special gift, and that to this era He had given inventions. He sketched the various inventions of this century, and their practical application to the every-day affairs of the world, showing that they had brought more ease and leisure to men and women, and had had a good effect upon the manners aud morals of the community. In closing he took issue with Bishop Potter on the subject of machinery, and said:

"The eminent author and orator, Bishop Potter, has affirmed that 'labor-saving machinery is a curse to laboring men.' Once slavery was patriarchal, now it is said to be industrial; once the machine was the accident of the man; now man is the mere incident of the machine. Bishop Potter reminds us the time was when the shoemaker toiled over his last during the morning hours, spent his afternoons in the orchard and garden, his evenings at the town meetings or with the school board, his Sundays in worship and reflection and was at once workman, worshipper and student. But, analyzed, the statement that machinery is an enemy to happiness and is destroying individuality and character is misleading and, quite aside from the facts in the case, calculated to disturb the happiness of each workman and to embitter his life. So far from tools degrading men, they represent the uttermost of kindness and divine benefaction.

"There are a few ten-talent men, a few five talent men, more two-talent men, while most represent one-talent. Now, in an age when civilization has become complex and highly organized, the great multitudes representing one talent are in danger of falling out of the race. The strong and wise advanced so swiftly that the one-talent man could not keep up; nor was he able to work with sufficient rapidity to hold his place.

"Now, in the interest of this one-talent man, inventors were raised up to create tools. To make a modern shoe requires sixty different workmen. From these sixty different tasks the one-talent workman selects something he can do, and, doing that one thing, he too becomes a creator, retains his self-respect by being a producer, and where, without tools, he would have been heartbroken, with his tools he stands upon his own feet and makes his own contribution to our civilization.

"God gave the tool as an act of uttermost tenderness and kindness. Search all modern life through and there shall not be found one single element that represents a form of ministry to the weak and the poor that is so beneficient as the fact that machinery hath so divided a toil as to enable the humblest man to become a self-supporting worker and have his own place in civilized life.

"And when the tool has made a place for the one-talent man through nine hours of toil, it goes on to give him four times the wages his father enjoyed, by means of which he purchases a newspaper, the book, the picture, the ride to the park or lake or into the country—influences that redeem him from drudgery and obscurity and make him the child of variety and growth.

"Doing with one's might what one's hand finds to do is the sole secret of happiness, and he who uses his toil to further the happiness of others is said to have a partnership in God's plan. Side by side with the thinker in color and stone stands the thinker in poem, in oration, and law; stands the thinker in wood and iron, in stone and steel; and happy indeed shall our world be when once again men shall that Watt and Stephenson march side by side with Shakespeare and Milton, and that equal honor attaches to artisan and artist. For in God's providence the working classes are to achieve their progress by means of tools. Machines are to make the deserted fields of Europe productive again for starving peasants. Tools are to save what is now wasted to make poor men to be rich. Tools are to redeem men out of poverty and cold.

"Within the next century, it is believed, tools are to make the school and college as free and open for young men and maidens as public schools are now for boys and girls. Machinery is to increase intelligence and refinement, to put comforts and conveniences with instruments of beauty with those now called the poor and the weak. Through machinery, wealth, that now like snow sometimes comes together in drifts, is to be diffused and scattered evenly over the land. Tools are to become the almoner of universal bounty toward the church, the school, the library, the gallery, the Christian home."

How to Gain Success.

Editor Hardware: There are many young men of to-day, yes, and old men, too, for that matter, who seem to think that the chief thing their employers keep them for, is to put in time, a sort of bric-a-brac as it were. That is, they get to work early in the morning, on time, perhaps, watch the clock all day, and are among the first to leave the place at night. Many times they leave a little piece of work for the next day that would have taken but a few moments to finish. Of course, they pat themselves on the back and try to square things by saying they are not paid for overtime, but when the time arrives when they think they should be getting a raise in salary, they find the employer generally looks to their worth to him and not to the length of service. If the young man of to-day would have success, he must come as near as his position will allow him to being his employer's right-hand man. His desire must be to please. He must study to make his employer feel that he is a necessity from a personal as well as from a business standpoint.

As an apprentice or office-boy, he must be among the first at the office in the morning, and the last to leave it at night. He should learn all he can of the business, show himself willing and anxious to please all above him, improve himself mentally, try not to forget what has once been shown him, and, whenever called upon to do anything not to his especial liking, which he will be many times, do it cheerfully.

When in a higher position, he should study his employer's interests. Try and find the short cuts, don't be wasteful, take a little responsibility upon his own shoulders sometimes, let his employer see and feel that he can trust him in matters of business that require mental as well as physical ability. Don't be a machine. If he studies his employer's interests, there will be no fear but that his will be taken care of by the employer.

There is one thing that might be well to consider in reference to the foregoing, as to what success is. Success doesn't necessarily signify the accumulation of great riches. Many a man who has been born rich, has been anything but a success in life. Success means more than this. It signifies the ability to make and hold a position in this life, with the power to command an income sufficient to support oneself and home with all the necessities, and with a feeling of security as to whatever might happen, barring ill-health or death. In any case always live within your income. Many a young man has lost both good name and friends, as well as elegant opportunities, through getting into debt. W. A. M.

Alfred D. Clinch, of Underhill, Clinch & Co , New York, has been spending his vacation on the borders of Deal Lake, Asbury Park.

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The Early History of Cast Iron Pipe.

Cast iron was known to Holland in the thirteenth century, and stoves were cast at Elass in 1400. But tradition has it, which an ancient Roman writer records, that the temple of the "Great Mother," at Sparta, is said to have been built by Theodorus, who first discovered the art of casting and making statues in iron. As with the metal itself, so its discovery in the form of cast iron was an accident which occurred at one of the early iron works in the Rhine Provinces, where a part of the "running" one day was found to be of different texture, and it was a problem for some time what to do with the strange stuff.

The first blast furnaces appeared in the Thuringian Mountains, which were almost identical in principle with the present furnaces, with the exception that hand or tread mill bellows were used for the blast, from which the present mechanical blowers are an evolution. In 1377 the first cast-iron gun was cast in Erfurt, and the famous Krupp was casting guns in 1818, so that it appears iron was mostly used for destructive and not Samaritan purposes through many centuries of its history. In 1685 the first cast-iron pipes were used for the water service of Versailles, followed by screwed and flanged pipes. In 1708 the Quaker, Darby, patented the system of box casting, and in the following year started the famous Coalbrookdale foundry, which in 1780 turned out the first cast-iron bridge. The first casting in the United States is said to have been made at Lynn, Mass.—a cast-iron pot, which was exhibited at the World's Fair at Chicago.

In the region of Alba Longa, buried by the volcanic eruption which drove the Albans to the present site of Rome, no trace of iron is found, and its absence is still notable in the archaic tombs of Rome. The metal for their implements, of whatever kind, was of bronze, and the early Roman religious sentiment shows such an abhorrence of iron as to make it a profane innovation to use it in almost any form, especially in and around their sacred temples. This superstition continued after the Christian era, even down to fall of the Empire. In their religious rites, if iron had in any way approached a temple or shrine, sacrifices were instituted to expiate the profanation, so that we can hardly wonder that their attention was not turned to it as a substitute for lead pipe. When iron tools came to be used for engraving, and were so employed on altar inscriptions, penitential sacrifices were afterwards offered by slaying a cow or a sheep on the altar. Bronze ploughs were used long after the introduction of iron ploughs. The high priests of Rome would not shave or have the hair cut with iron instruments.

The first mention of iron pipes was in an elaborate system built at Marli, near Paris, and set to work in 1682. The account says: "They drew the water by short suction pipes from the river Seine, and forced it through iron pipes up the hill. They climbed to a height of 533 feet by a series of reservoirs and pumps, but this system came to be known as a 'monument of ignorance,'" probably after cast iron established confidence as a pressure pipe. Agricola makes no mention of cast iron pipes, although he shows three-legged pots of cast iron. Ranselli, about the same period, describes a hand mill of a portable character, whose casing, he says, is made of iron, and its form and ornamentation are such that there is little doubt it was made of cast iron.

Peter Maurice, a German engineer, in 1582 erected, under the arches of London Bridge, sixteen pumps, 7 inches in diameter and 30 inches stroke, driven by a water wheel, and these were of cast iron, flanged at their lower end, bolted to a valve chest.

In 1835 it was estimated that over 1000 miles of iron pipe were in use in the various systems of London waterworks, the first iron pipes having been laid in 1746. Later on we find that cast-iron pipes, 9 feet in length and 15 inches in diameter, with ball and socket flexible joints, were laid by James Watt across the Clyde for the conveyance of water to Glasgow, and another of the same size in 1818, and a little later on another of similar construction of 36 inches diameter.—*Mechanical World.*

The Rubber Man's Vacation.

They must be having pleasant times out in Ohio. Down in the busy city of Akron there is a raging volume of water, known to history as the Ohio canal. On one of its banks stands the busy and prosperous concern known everywhere as the B. F. Goodrich Co. Usually all of the employes and officers of this company are so busy in putting forth goods, and hauling in dollars, that they have no time for sport of any kind—not even for politics, which is usually the dearest delight of the Ohio man.

But there comes a time when even a rubber man must have a vacation. Does he hie away to the mountains or the seashore, as do other men, or lose himself in the wilderness of the Northwestern lakes? Judging from a handsome specimen of art work, which to-day occupies a position of honor behind the editor's desk, the rubber man cannot stretch his business conscience sufficientlv to go out of sight of the works, and so he takes his vacation at home.

The scene to which we refer, combines business and pleasure to a remarkable degree. With the busy works of the Rubber Co. as a background, and the waves of the raging canal in the foreground, we have an adjunct in the shape of the "Idle Hour," a small boat which contains about as varied an assortment of interests and diversions as one craft could well carry.

In the way of live stock, Messrs. W. A. Clarke and R. C. Masten of the advertising department are the principal attractions, while a jaunty female stenographer and an errand boy are carried—for ballast. Sandwiched in here and there are ledgers, order books, typewriter, waste basket, correspondence, fishing-poles, guns, etc., and the necessity for dry docking is precluded by ample perishable freight in the form of champagne, cigars, etc.

While the distribution of this handsome photograph will of course aid in the sale of goods, their chief mission is to show that the Ohio rubber man is able to enjoy his vacation, and at the same time keep an eye upon his works. The only question that will trouble other manufacturers, in these hard times, is, "Where in the world did any man make a sufficient raise to buy champagne?"

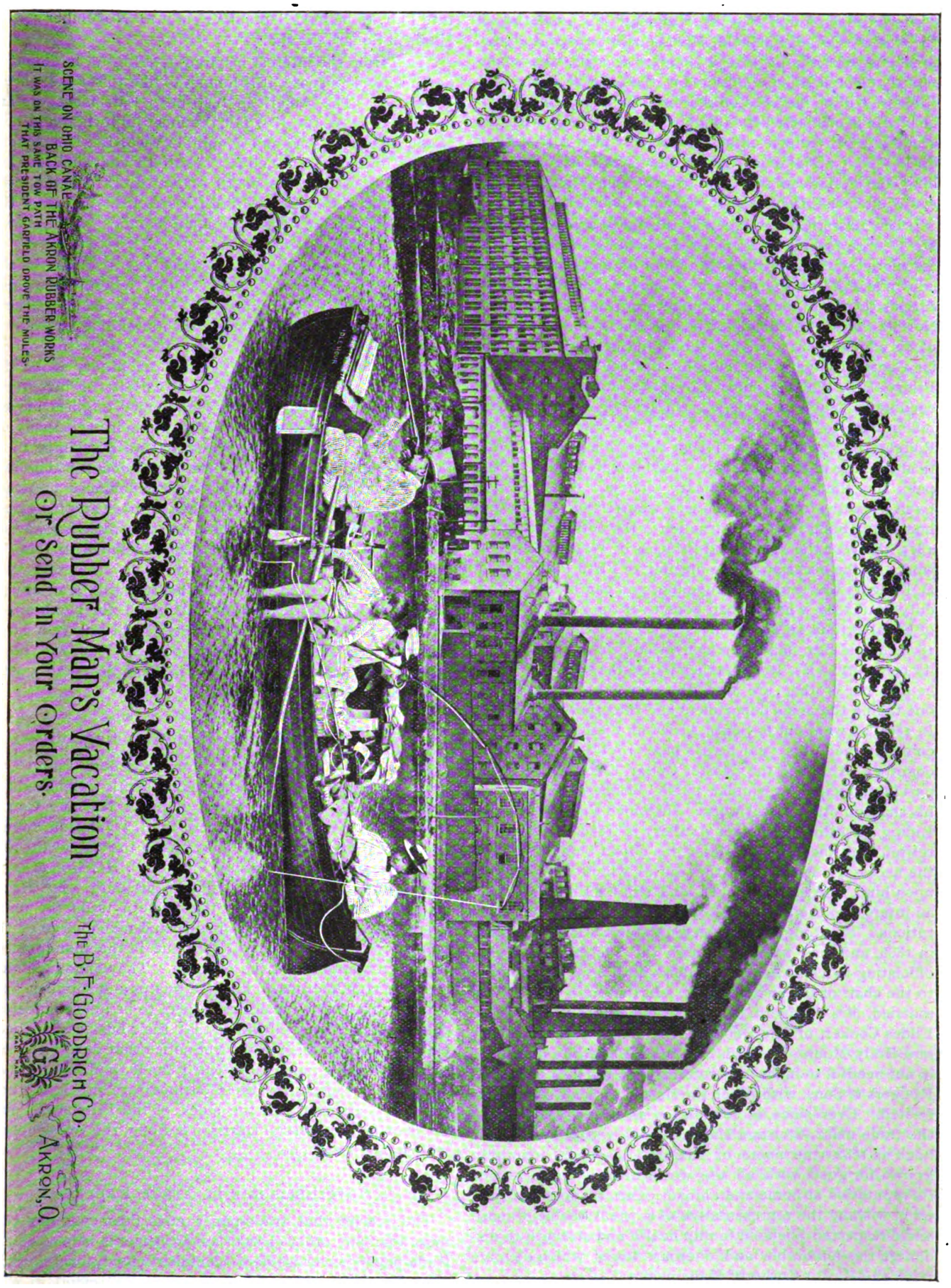
This charming rubber-nautical scene is shown, in all its beauty, on the opposite page.

Old Metal From Cuba.

It is stated by the New York *Journal of Commerce* that the importation of old metal from Cuba has recently assumed quite large proportions. The destruction of so many plantations, distilleries, and other works throughout the island containing machinery made of brass and copper, accounts for these heavy consignments of old metal. One firm alone, the Nassau Smelting & Refining Works, of New York, claim to have purchased so far this season about $500,000 in old metals from Cuba, principally brass and copper. Even 30,000 pounds of old church bells were bought the other day by this concern. If it were not for the duty imposed on old iron, it is said the quantities that could be brought from this island would prove to what extent destruction has been carried on during the war. Notwithstanding the duty that has to be paid on this old brass and copper, it pays to import them, and prompt sales are said to be quite the usual thing.

It is said that the division of labor has been carried to such an extent, that in some cases seventy workmen handle one knife in the course of its manufacture. This does not include the man who borrows it from you, and forgets to bring it back.

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Elected Master Cutler.

We learn from the Sheffield (England) *Daily Telegraph* of August 4th, of a high honor in the cutlery trade, being conferred upon a most worthy recipient. At a meeting of the Cutlery Co., of Sheffield, Mr. Maurice George Rodgers, managing director of Joseph Rodgers & Sons, was unanimously elected Master Cutler for the ensuing year. Mr. Rodgers will be installed on the first Thursday in September. He is connected in a high official capacity with the great and well-known cutlery house of which Alfred Field & Co., No. 93 Chambers Street, New York, have been so long the American representatives. The Sheffield *Telegraph*, in speaking of the master cutler-elect, says:

"The Master Cutler Elect is the eldest son of the late Mr. George Joseph Rodgers, of Endcliffe Crescent, and is associated with his brother, Mr. John Rodgers, in the well-known and old-established firm of Messrs. Joseph Rodgers & Sons (Limited), cutlery manufacturers and silversmiths, Norfolk Street, Sheffield. After receiving the rudiments of his education at a private school in Sheffield, Mr. Maurice George Rodgers went with his brother to the school at Priory Hill, Wolston, near Coventry, subsequently proceeding to Malvern College. On leaving college he was indentured to the late Mr. Robert Newbold, of Messrs. Rodgers' establishment, and went through a course of practical training in the workshops, making knives and getting paid for them in the ordinary course. After serving twelve months in this way he was transferred to the warehouse, to obtain further instruction in the cutlery craft. In 1875, the year the Prince and Princess of Wales visited the works on the occasion of the opening of Firth Park, Mr. M G. Rodgers was sent out traveling, and continued at that duty until 1886, when he had gone over the greater portion of Great Britain on the business of the famous 'No. 6.' In 1870 the old firm had been converted into a limited liability company. Mr. Rodgers then joined the board, of which he and his brother are now the managing directors, the one taking the home department and the other the foreign. In 1891 he went out to South Africa on the business of the company, and this year he has paid a return visit to that country. Although the Master Cutler Elect has taken no part in municipal or similar public business, he has done his share in other useful work. He joined the Fourth West Riding Yorkshire Volunteer Artillery in 1879, and has just retired with the rank of Major, his object being to obtain the necessary leisure for the duties which now devolve upon him. He has also taken, and still continues to take, an interest in the Sheffield Royal Hospital and other institutions. Mr. Rodgers was elected to the Cutlers' Company in 1886, and has passed through the successive stages—officiating twice as Senior Warden—until now he succeeds to the chair of the ancient guild. In the same year he was married, Mrs. Rodgers being the daughter of Mr. Thos. Fildes Cooker, of The Rookery, Broomhall Park, Sheffield, and Holly Mount, Retford. In the Hallamshire district it is not needful to make any reference to the firm of Joseph Rodgers & Sons, with which the Master Cutler Elect is connected. Ever since its foundation, over 200 years ago—the trade mark, Star and Maltese Cross, was granted as far back as 1682—the name of Rodgers has been honorably known for good work all the world over, and still retains its reputation at home and abroad. Our readers will join us in wishing the representative of a great Sheffield house and a respected Sheffield family health and strength to discharge the honorable and onerous duties which devolve upon the Master Cutler of Hallamshire."

At Coggins' mill, near Sisson, Cal., the loggers cut a tree a short time ago which was 404 years of age. It was eight feet in diameter, and produced 15,000 feet of lumber.—*Exchange.*

Machinery in Motion.

Process and product; machinery in motion will probably prove the most popular phase of the 1897 American Institute Fair, to be held September 20th to November 4th, at Madison Square garden.

Aside from the interest inspired by a higher intelligence and a serious purpose, it is human to like to see the wheels go round. The American Institute's Fair managers are striving to make the 1897 fair the most important and best in the Institute's long and honorable record. The American Institute is verging on its seventieth year, but judging from the hustling the board of managers and the fair's general superintendent, Alfred Chasseaurd, are doing, the Institute is like Dr. Oliver Wendell Holmes said he was, "seventy years young."

General Superintendent Chasseaud has an office in the tower of the Madison Square Garden, where he is busy with the details of organizing a big show and arranging the location and extent of space with intending exhibitors.

Of all departments of the 1897 fair, the management earnestly desires that of engines and machinery to be the strongest. It embraces the vast variety of inventions which include as main features stationary engines moved by steam, gas, water or wind, and all their accompanying contrivances, pumping machinery and all pertaining to it, including steam fire engines, iron and wood working machinery and tools, textile and paper machinery and that used for the manufacture of leather, rubber and for grinding and crushing mineral, grain and spices, gearing and all elements of moving machinery are included in this department.

The 1897 fair of the American Institute will be of unusual value to exhibitors, providing, as it will, forty exhibition days and features of unusual interest will ensure a large attendance. The Flower Show adjunct alone will be in several respects the most beautiful, complete and costly ever held in the United States.

An Advance in Pump Making.

M. C. Harrison, President of the Pittsburg Pump Co., and T. E. Long, the secretary, have recently purchased the entire plant of the Columbiania Pump & Machine Co., of Columbiania, Ohio, and also that of the J. J. Johnson Foundry Co., of the same place. They intend to conduct the new enterprise as the Columbiania Pump Co., Harrison & Long proprietors, with their main office in Pittsburg. Mr. Harrison, who has had charge of the Eastern trade for many years, will remove to Columbiania and take charge of the factory, while Mr. Long will continue in the management of the Pittsburg end of the concern. They announce that they will manufacture all kinds of pumps and supplies, and, with their increased facilities, expect to be able to meet all competition. They inform us that their business has been very good so far this season, yet notice that during the last month, sales are much more easily made, and, taking it all in all, the prospects for their business are much brighter than for years past. As the stock of the Pittsburg Pump Co. is owned by Messrs. Harrison & Long, the two concerns will co-operate as one.

Advertisements in Trade Papers.

The reason that trade-paper advertisements are read more than any other class of advertisements is because the trade-paper advertisement contains money-bringing information, and everybody in trade is interested in what everybody else in the same trade has to say to the public, and the trade paper advertisement is the cheapest, easiest and most sensible method for the man who makes and sells anything to tell the man who buys that something, that he has the article to sell.—*Roller Mill.*

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Topical Western Mention.

Editor Hardware: An enterprising Cleveland newspaper started out to interview the local Hardware manufacturers as to the conditions of trade now developing. In every instance the reports were of a sanguine nature. These reports are no mere gab, for they come from men who are eminently capable of diagnozing the business situation, and iron still being King at Cleveland, they cover the entire business situation thoroughly.

The coal strike is somewhat hampering operations, and as the prices of fuel are going up, the cost of manufacture will necessarily increase. But the strike is not doing the trade any injury. It will rather have the opposite effect. Stocks are now being rapidly cleared up, and by the time the strike is settled, which will prospectively be two weeks hence, autumnal movements will be on "full head," and then our dealers and manufacturers will get the benefit of the reaction. The dilatory behavior of the market at present is in no way connected with, or will influence, the business situation which will develop in the latter part of September. There isn't a dealer but who has the fullest confidence in the near future, and this confidence is not based on intangible reasonings either.

AS TO WHEELS.

The chainless bicycle bugaboo doesn't scare worth a cent, and an idiot is he who gave out the report that the present demoralization of prices is due to the advent of that novelty. Remnant prices always rule at this season of the year, and where some manufacturers make sacrifices now, they do it in anticipation of a big cycle trade in 1898, which to share in it needs a lot of ready capital and room to accommodate.

IN THE SOUTH.

Reports from the South are certainly of a reassuring nature. The South is rejuvenating, is the verdict of all close observers. The wholesome influences of the new tariff are apparent everywhere. The agricultural situation has never been so bright. Nothing lacks animation but the whisky industry, and that will speedily mend under the impetus of the generally improving conditions. A new commodity, cigar leaf, has been added to Southern agricultural interests since the Cuban exclusion act, and very important it promises to become. Here's what some Southern dealers have to say:

Bruce Keener, C. M. Clung & Co., Knoxville: "We are certainly on the eve of a great trade revival in the South, which alone is evidenced by the ardent interest shown lately in our affairs by our Cincinnati competitors. When Cincinnati is looking over the situation before we get ready to move, you may rest assured that they are scenting business."

Col. W. W. Woodruff, W. W. Woodruff & Co., Knoxville: "There is every indication of a good fall trade, and a continued streak of prosperity. The South is in advance of the movement for better times."

A. D. Langstaff, Langstaff Hardware Co., Memphis: "This town may be bankrupt, but Southern business is showing a healthier tone now than for years. We are undoubtedly pacing towards good times."

Major Edward Buford, Buford Bros., Nashville: "We can say that conditions are better now than for a long time since. The Southern farmer is encouraged by these conditions, and lines that lacked interest for years will soon boom. Agricultural implements will be greatly benefitted, and so will the vehicle industry of the West and North. Carriage factors of Columbus and Cincinnati have already been looking over the ground preparatory to sharing in the liberal investments which will be made in the South and Southwest from this time forth."

O. B. Barker, B. B. & J. Hardware Co., Lynchburg: "The evidences of better business are everywhere, and while movements are still dilatory, we rely on a good fall trade and look for normal conditions by next spring."

M. L. Ott, Ott Bros., Wheeling: "We are glad the miners of the State did not join the strikers, for the greatly increased activity in the mines of the State has brought us a lot of business. The situation on the whole is good, and we are actually experiencing the effects of the better times now."

Lee Richardson, Lee Richardson & Co., Vicksburg: "The Mississippi region is regaining its old thrift and industry, and crops and times have been so favorable that we may look for a healthy trade henceforth. The farmers throughout the South are modernizing their implements and are liberal buyers in the market otherwise."

Col. B. F. Eshleman, Stauffer, Eshleman & Co., New Orleans: "Business is greatly improved, and the demand from the interior shows that better times are actually come."

J. B. RINDFLEISCH.

Holding Customers.

In a paper entitled "How to Get and Hold Customers," read by S. Bricker, of Listowell, Ont., at the annual meeting of the Ontario Hardware Association, he said: "The business man who looks at delivering his goods and getting his money as the only thing which is related to each transaction, has a very important lesson to learn. No doubt, there are some who differ with me in this particular, and say: Business is business, and friendship forms no part of it. Admitting that it is all business, and that the customer gets value equal to his money, his future patronage is nevertheless to be considered and solicited, apart from his money. Between the two we may not be able to make the distinction very quickly; but there is a distinction, nevertheless; and he who has carefully studied the philosophy of trade can readily define it. A customer's money is only a matter of the moment, and has reference to a particular transaction. His patronage, his good will, his influence, however, are of paramount importance, for which we should be willing to forego very much that he may be retained with the house. A customer who buys but one bill is not profitable except to the extent of his purchase. When we get a chance to sell to a party one bill we are in duty bound to our business to treat him so well that when he leaves us he will say: 'When I require anything more in this line I will buy it from this man.' Since we are so inevitably dependent upon each other, and necessarily helpers of each other, it would be very unwise, and almost certain ruin, for a merchant to establish the rule that he will do just as he pleases, and not solicit the good will or favor of any one. Ability to satisfy a customer with your goods will induce him to buy; politeness and honest treatment will induce him to buy again."

The "Steel Age."

The "bronze age" of antiquity has gone, the "iron age" of the nineteenth century is waning, but the "steel age" is in the growth of vigorous childhood. All the steel works in the Midlands are in full activity, and day by day there is an increasing volume of evidence to the effect that for almost all purposes steel is superseding iron by leaps and bounds. Steel tubes are very wonderfully to the fore, and steel plate for bridge, girder and boiler work are almost always specified in contracts by engineers, who until recently preferred best Staffordshire iron to anything under the sun. If South Staffordshire is to maintain the reputation which it has held since the days of Dud Dudley, it must reorganize its iron mills and forges and produce steel in every variety of shape and size to meet the growing requirements of the day.—*Ironmongery.*

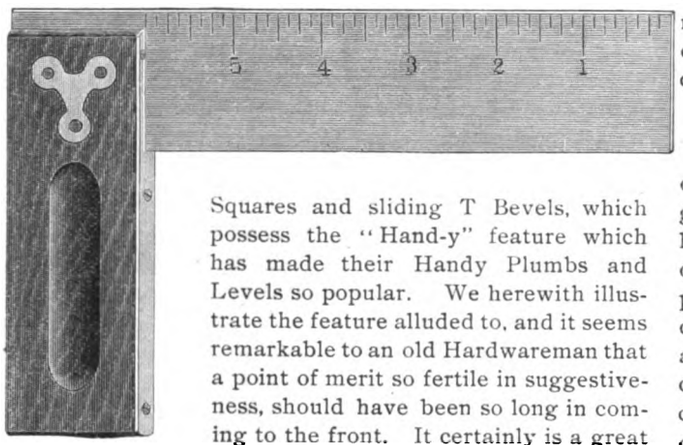
HARDWARE costs only One Dollar a year.

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NEW GOODS AND SPECIALTIES.

"Handy" Try Squares and T Bevels.

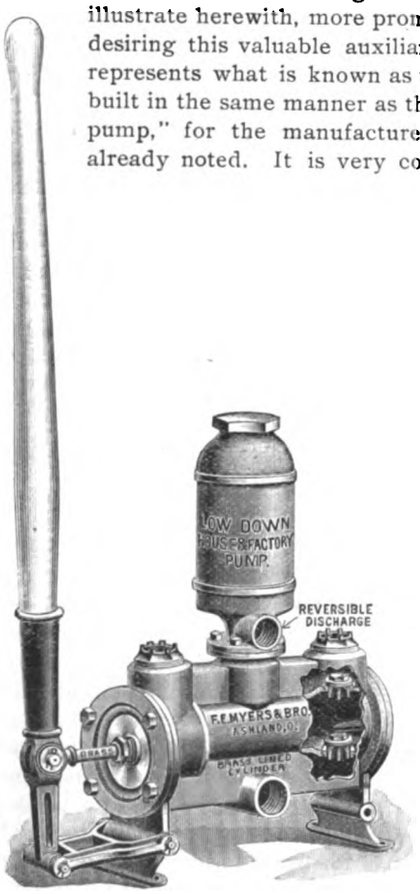
The Stanley Rule & Level Co., New Britain, Conn., and No. 29 Chambers Street, New York, are manufacturing Try



Squares and sliding T Bevels, which possess the "Hand-y" feature which has made their Handy Plumbs and Levels so popular. We herewith illustrate the feature alluded to, and it seems remarkable to an old Hardwareman that a point of merit so fertile in suggestiveness, should have been so long in coming to the front. It certainly is a great convenience and must eventually supersede the old fashioned shape, when the improvement becomes thoroughly well known to practical mechanics.

Myers Low Down Double-Acting Force Pump.

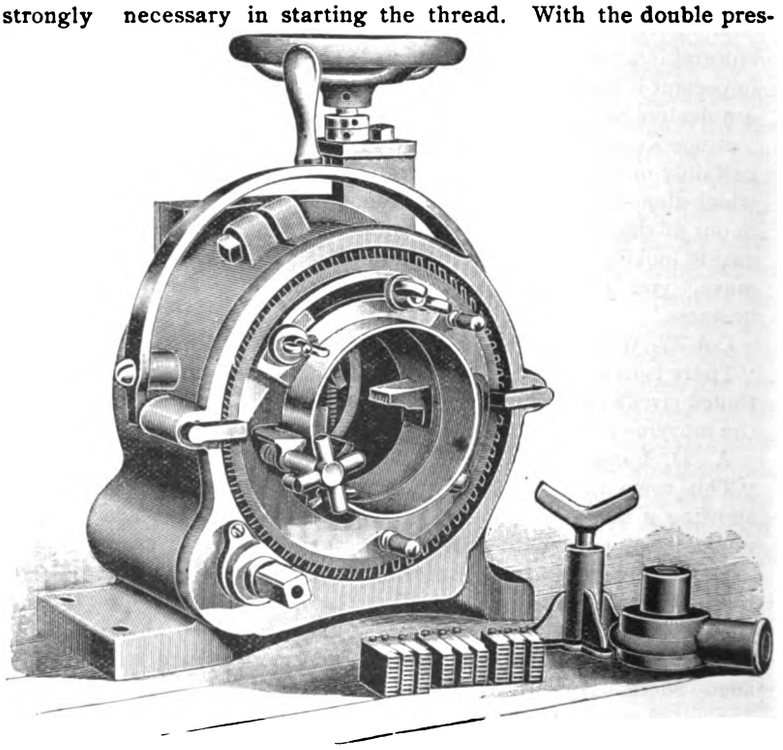
F. E. Myers & Bro. Ashland, Ohio, to whose new and complete catalogue we gave an extended notice in a recent issue, have recently made improvements that will bring their Low Down Double-Acting Force Pump which we illustrate herewith, more prominently before those desiring this valuable auxiliary. The illustration represents what is known as their Fig. 724, being built in the same manner as their "low down tank pump," for the manufacture of which they are already noted. It is very compact and strongly



constructed, has brass lined cylinder, metal valves and 13-16 inch brass piston rod, with large stuffing box. The openings are exceptionally large in order to permit a free passage of the water. As the pump is double acting it takes and discharges water on either stroke of the lever. It is designed for use in the basement of a house for the purpose of forcing water into an elevated tank, or drawing water from springs and forcing the same to a higher elevation. This makes it a very valuable acquisition to factories, mills or warehouses and it will also be found very convenient on board of vessels. It is sent out fitted for pipe, but can be furnished with hose connections, when so ordered.

Improved Forbes Patent Die Stock.

Curtis & Curtis, Bridgeport, Conn., are manufacturers of the Forbes Patent Die Stock, an illustration of which is given in this column. This machine, which is the No. 44 hand machine as at present constructed, having a range of one to four inches, right and left, embodies a series of important improvements which have been added in each succeeding year, until it stands at present as nearly perfect as a piece of mechanism could expect to be made. The machine is too well known to the pipe fitters throughout the country to require a general description, so we will confine ourselves to the improvements which have recently been added to it. These machines have been manufactured since 1882, and like all machines that are up to date they have constantly been improved from time to time. Among the most recent improvements is the double pressure bar. Formerly the pressure feed pressed on the die carrying gear in only one place. This worked well as long as the machine was new and the gear a close fit in the shell. But experience soon taught that after the gear became worn, the pressure of the feed coming in only one place on its surface would tend to tip the gear slightly which would, consequently, prevent the dies from tracking and thus produce a "drunken" thread. Especially was this the case when the dies became dull and considerable pressure was necessary in starting the thread. With the double pres-



sure system, shown in the illustration, the pressure applied at two points on the face of the gear, and opposite each other, prevents the gear from tipping no matter how strong the pressure or how large the gear may be in the shell. Another change which the firm considers very important,

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is the adjustable shell. The great trouble with all machines made in this style, viz: "A die carrying gear surrounded and supported by a casing" is, that sooner or later the gear will wear itself loose, it being immaterial whether the gear teeth bear on the inside of the casing or not; thus making a loose fit and rendering the machine useless. Heretofore when this occurred, it was necessary to supply either a new shell or a new gear, either of which was expensive. On all sizes of their machines they now put an adjusting screw on the shells shown in the cut, with which any wear can be taken up and the gear always kept a good working fit in the shell. This they consider very important as it greatly increases the life of the machine. This adjustment can also be applied to old machines, making it possible to repair them at much less expense than formerly. Messrs. Curtis & Curtis have covered these improvements with patents which will amply protect them from the imitations on the market of their design of machines.

Line of Safety.*

BY NATH'L C. FOWLER, JR., DOCTOR OF PUBLICITY.

In progress there is originality.

In originality there is progress.

No new thing was ever built by a wholly conservative builder.

No new thing was ever built by a wholly original builder.

Success in business is neither in over-originality, nor in over-conservatism.

The monument of success is made of equal parts of conservatism and progressive originality.

The fool can be original.

The fool can be conservative.

It is the wise man who uses both of these successful elements, so mixing them that the good of each enhances the value of the other, and the bad in each dissolves by the bad in the other.

The writer recalls the days of military discipline, when he served both in and out of the ranks.

He remembers the always cheery order, "Order arms; in place, rest!"

Then every man did as he pleased; he could talk, he could laugh, he could reach out with his arms, but one foot must be on the line, and stay on the line, so that when the order came, "Attention!" every soldier had but to draw a part of himself into position, for part of himself was already in position.

There is a lesson here for business men.

Keep on the line of safety.

Branch out with your arms.

Reach into the visionary sky of experiment.

But keep one foot on the line of conservative success, so that there cannot be total failure everywhere, and one can draw the unsuccessful part back to the successful part when discretion calls a halt.

Boardman's "Congress" Pattern.

Among the new and handsome designs in the line of flat silver plated ware, few surpass in artistic symmetry and gracefulness of outline, the "Congress," recently placed upon the market by Luther Boardman & Son, East Haddam, Conn. These goods have a base possessing full 18 per cent. nickel silver, and are extra heavily plated with pure silver, the goods being all hand burnished. This old manufacturing firm was established in 1840, and it may safely be said there is no Hardware firm in the United States, but what at some time or other, has handled some of its unrivalled productions.

Push and industry, spiced with confidence, is the best remedy for trade depression.—*Exchange.*

*Copyright, 1897, by Nath'l C. Fowler, Jr.

Points of Business Law.

A seller retaining the right to elect to take the goods remaining unsold by the merchant is not the owner of same till after he has made such election.

Where a contract provides for payment in instalments, recovery of the full price can not be had in an action brought when the first instalment only is due.

One who signs a lease as surety, at the same time with the other parties, and without any conditions, is liable for the rent, though he never occupies the premises.

A carrier is liable, in the absence of statutory law to the contrary, until notice to the consignee of the arrival of the goods, and reasonable time to inspect and remove them.

A note without grace, made payable at a bank, and placed there for collection, may be sued on after banking hours of the day it falls due, if such hours are known to the maker.

An employe, on engaging in business for himself, may advertise himself as late of the firm by which he was employed, the sign not being painted so as to mislead the public.

Where one buys goods, knowing the sale is in fraud of creditors, and mingles them with his own, and refuses to point them out, the seller's creditors can levy on enough of the mixed goods to equal those of the seller.—*China, Lamps and Glass.*

Inventions vs. Industries.

Sir Henry Bessemer and Sir William Siemens have been reproached with inventing and introducing processes that have practically ruined the manufactured iron industry of the United Kingdom, says an English exchange. To a large extent this has no doubt been the case. The production of wrought iron during the last fifteen years has dropped from two and three-quarters to one and one-fifth million tons, while the production of steel has more than doubled. But even this movement, revolutionary and disastrous as it has been, has not been unattended with its compensations. The basic process of steel making is now largely carried on by the aid of puddler's tap, which would otherwise have been a waste product, but which is now eagerly bought by the basic steel manufacturers at 5s to 6s per ton. It is usual to employ from 50 to 70 per cent. of puddler's tap per ton of basic iron produced in the blast furnace. This substance usually contains from 45 to 55 per cent. of iron, and from 3 to 6 per cent. of phosphorous, and it is the latter metalloid, otherwise not only useless but deleterious, that chiefly makes the product valuable. It is the presence of the large reserves of puddlers tap in Staffordshire, etc., that has enabled the pig iron trade in these districts to keep alive.

Nothing Like Persistency.

In 1864, "Jim" Knibbs, as we all called him then—and perhaps now—engineer of a steam fire engine at Troy, N. Y., patented a relief valve, a run-around we always called it, for pumps. The design of this was to, in quick-running pumps, permit some of the water to pass around from the pump cylinder into the suction, relieving the parts from unnatural shocks and jars, and possible breakage. Knibbs, so far as I know, never made anything of consequence from his patent. The city of New York, so it was claimed, infringed Knibbs' patent, and in 1877 suit was begun against the city. A decision has just been rendered awarding the patentee damages to the extent of $818,074.32. The patentee had, however, assigned his claims. It is a rather remarkable instance of following up a patent case that had never seemed to amount to very much.—*Tradesman.*

The Bank of England employes about 1,100 men and has a salary list, including pensions, of about $1,500,000 per annum.—*Exchange.*

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RECENT TRADE PUBLICATIONS

The Union Metallic Cartridge Co., of No. 313 Broadway, New York, and Bridgeport, Conn., have prepared a work which must find the greatest favor with sportsmen in this country and Canada, as it combines in a very compact manner, capable of being carried in the pocket, the game laws of the United States and Canada. The title and title page of this little work are as follows:

The Game ....Laws

OF THE

UNITED STATES AND CANADA

A compilation of the Gunning Laws, with special reference to seasons, and other provisions and restrictions in force in the various States and Territories of the United States and the Provinces of Canada,

INCLUDING ALL 1897 LEGISLATION

EXCLUSIVELY ISSUED AND COPYRIGHTED

BY

THE UNION METALLIC CARTRIDGE CO.

BRIDGEPORT, CONN

..1897..

It contains 80 pages, and any sportsman who wishes to shoot or fish anywhere between Maine and the Yellowstone Park, or Manitoba to New Brunswick, can discover at a glance just what game he may kill, and when he may kill it. He will also discover what he cannot kill, and the cost or penalty for violation of the law in any section. A glance through the work furnishes some interesting information as to the extent of the ground which has been so carefully covered. Some of the points we note, are unlawful possession of game, boundaries, close season, the killing of game for export, gunning methods, laws applying to residents and non-residents, chasing of game with dogs, wild cat bounties, the laws relating to guides, etc., etc. The Union Metallic Cartridge Co. have shown great enterprise in preparing this work. That it has been with them a labor of love, is evidenced by the fact that they will take pleasure in sending free a copy of these game laws to any reader of *Hardware*, who will indicate a desire for same.

W. S. Adams, No. 180 High Street, Holyoke, Mass., has just issued a directory of American manufacturers of heating and cooking apparatus which also contains a list of stove foundries in the United States, also a list of stoves, ranges and furnaces, and by whom manufactured, and information for ordering repairs. This is the first edition of a publication, the want of which, corrected up to date, has been severely felt by the trade for some time, on account of the annually increasing number of names representing the recent product of stove foundries, together with the data connected with the extensive list of others previously popular which is here given having reference to the latest editions of the manufacturers' catalogues, in which these names appear. It is a volume of 240 pages, well printed on good paper, and neatly bound in cloth, and is not encumbered with the usual every-other-page advertising so prominent a feature in publications of a similar character. The directory is provided with a good index, referring to the detailed information regarding the manufacturers. The list of stoves, ranges and furnaces under their respective names, is indexed alphabetically with an abbreviation denoting the particular style of stove, etc., which is known by the name noted, and opposite is given the name of the manufacturer; the information wanted is obtained at a glance, with no reference to some other part of the work. There is no stove dealer in the country, wholesale or retail, but would find this volume of great convenience on too many occasions in the course of business. The price at which it is published is $1.50.

The Bureau of American Republics, Washington, D. C., has in an advanced stage of preparation a commercial directory of the American Republics, and the European dependencies in Central and South America, and the West Indies. The volume will be a handsome quarto, nine by twelve inches, of over twelve hundred pages, and will embrace, in its contents, the following information:

1. Reliable descriptive, geographical, industrial, commercial and statistical data and map of each country.
2. The addresses and lines of business of the commercial houses of Latin America and the Hawaiian islands.
3. The names of five thousand or more representative manufacturers, merchants, shippers and bankers of the United States, interested in foreign trade, classified under proper headings.
4. The names of the trade and commercial organizations, associations and unions of the countries embraced in the International Union of American Republics.
5. Valuable data of transportation companies, and trade routes by land and water; railway, telegraph and cable facilities, and particulars as to shipping, port regulations, tariffs and custom laws, patent, trade-mark and copyright laws, and commercial licences, passports and postal regulations.

The above information it is stated has been secured from the most reliable sources, with a view to accuracy and completeness, and the Bureau feels assured it will meet the specific requirements of all lines having and seeking foreign trade. To all who apply, specimen pages and subscription blanks will be forwarded.

Charles Morrill, No. 35 Warren Street, New York, has just issued his new catalogue for 1897 covering the line of important specialties associated with that well-known name. Among these valuable tools, etc., will be found Morrill's "Perfect" Saw Set, which in its assortment now includes, with many improved features, Nos. 1, 10, 11 and

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95, replacing the old Nos. ½ and 1, which were so well established with the trade. Morrill's saw sets Nos. 3 and 4, are intended for cross cut and circular saws, No. 4 being used especially on Champion and M tooth saws. No. 5 saw sets are 15 inches in length and are designed for use on timber and board saws, the size of the saw in circumference making no difference. Included in its pages are Morrill's Perfected Bench Stop Nos. 1 and 2, and Universal punch Nos. 1 and 2 for hand work, which is claimed to be the most complete punching instrument before the trade, successfully punching any thickness, from tissue to ¼ inch, of leather, rubber, paper, pasteboard, cloth, celluloid, veneering, etc., and also thin, soft sheet metal, punching holes from 1-16 to 5-16 inch. The No. 2 metal punches are used largely by electricians, tinsmiths and other sheet metal workers, and can be made to punch holes varying from ⅛ to 5-16 inch in either copper, brass, iron or steel. The Perfect cutting pliers, shown in the catalogue, are in two sizes, Nos. 2 and 3; they are recommended as being a superior article, with cutting jaws capable of cutting piano wire. All parts being interchangeable can be replaced at small expense. Mr. Morrill also manufactures car sealers, which are known as lead seal presses, and made in two sizes, Nos. 1 and 2, carrying respectively a plane surface of 9-16 and 3-16 of an inch. They are used by express companies and shippers of sealed merchandise.

The Lufkin Rule Co., Saginaw, Mich., with New York office at No. 290 Stewart Building, have sent us a copy of their complete catalogue just issued. They state that they have very largely increased their line, and are "now making what we think is the most complete and largest line of measuring tapes in the market." The book is finely printed and bound in heavy cardboard binding, and lettered with gold. It contains a complete list of their measuring tapes, rules, marking sticks, lumber markers, glass boards, etc. The illustrations are finely printed, and the prices are given upon each article. It is, in short, a complete compendium of rules and tapes, and some idea of the value of its contents may be found from the following index, which appears in this work, which will be sent on application: Steel tapes, reliable; steel tapes, Paine pattern, leather case; steel tapes, Paine pattern, with frame; steel tapes, Rival; steel tapes, pocket; metallic tapes, flush handle; metallic tapes, folding handle; linen tapes sterling; ass skin tapes; patent leather tapes; bend leather tapes; steel rules folding pocket; steel rules folding; steel rules, surveyors; steel rules straight; steel yard measures; steel counter rules; steel rules, metric; magic pattern rules; tinners' rules; circumference rule; steel board rules; hickory board rules; hickory log rules; log tables, comparisons of; log calipers; cotton calipers; marking sticks, lumber gauges; boot calks; calk sets and punches; glass boards; glaziers' rules.

The George Tritch Hardware Co., Denver, Col., are distributing to their customers their 1897 and 1898 catalogue of stoves and store Hardware; a copy has just been received, and an inspection of its contents gives an excellent idea of the large stock of such goods which the above firm carry constantly in stock. The stoves alone in this catalogue represent the production of thirteen different factories, which enables the company to select just such styles as will be found desirable by their patrons. The catalogue of 150 pages, bound in cloth, is printed in two colors on excellent paper, ornamental designs forming the top and bottom of every page. Its varied contents include every description of stove, from the ordinary "Globe" stove, in which any kind of coal can be used, to the more elaborate "Radiant Home" parlor heater, and double oven steel ranges, weighing over 2500 pounds. All the complete outfit necessary for a first-class hotel is pictured on its pages—sand ovens, steam tables, carving tables, portable broilers, roasting ovens, gas heated cake griddles, etc. The "Royal" line of oil cooking stoves are largely in evidence, as well as oil lamp stoves and oil heaters. All the necessary furniture for the kitchen or household is catalogued and illustrated, including roasters and bakers, coal hods, stove boards, shovels and elbows, registers, etc., making as complete a catalogue of such goods as any dealer in this especial line would need to select his winter stock from.

Edw. K. Tryon, Jr. & Co., Nos. 10 and 12 N. Sixth Street, Philadelphia, Pa., have issued a complete catalogue of their firearms, and everything connected therewith. It contains 114 pages, each one of which is 9x12 inches in size. It would be an impossibility to attempt an enumeration of any portion of the goods which they handle, as one whole page of very small type is taken up with the general index alone. There does not seem to be anything connected with guns, revolvers, ammunition, clothing for hunters or fishers, bicyclists, or sporting goods of any character, which any could possibly want that is not found herein. The work has been carefully prepared, and everything is arranged so conveniently, that the character and price of any one article desired, can be understood at a glance. This enterprising house never do anything by halves, and this fact has been carried out in connection with this catalogue.

The Campbell Cutlery Co., Syracuse, N. Y., are distributing a folding card catalogue of their practical sliding display trays which conveys full information in regard to their undoubted merits, and several fac simile letters from customers who express the highest satisfaction at the attractive display they make when placed in position and filled with cutlery. When it is stated that a show case only 10 inches high, takes 5 patent loop trays high, or 3 framed trays high, in each door of show case; and about same proportion up to 30 inch high cases taking 15 patent loop trays high in each show case door, or 6 or more framed trays high, the popularity they have attained may readily be understood by dealers; as a very limited stock of cutlery, by comparison with any other method, can make the most attractive display imaginable and with much less necessity for handling to make a sale under any circumstances.

The Simmons Hardware Co., of St. Louis, Mo., have issued a catalogue for the season of 1897-98 of their lamp department. It is a very handsome publication, containing 218 pages, fully illustrated, many of the illustrations being shown in colors. It would be difficult to get together a larger collection of handsome lamps, than are here shown, and the artistic work is first class in every respect, the finished shadings upon the globes and lamp shades being shown in the utmost detail.

Vapor Stove Men

The annual meeting of the Vapor Stove Manufacturers Association, which was announced to be held in Cleveland, Ohio, on August 3rd, adjourned to Little Mountain, which is a most delightful spot a few miles from Painesville, Ohio. The members combined business and pleasure in choice quantities, and elected the following officers for the ensuing year:

President, Isaac Kinsey, Dayton Mfg. Co.

Vice-President, D. E. Dangler, Dangler Stove & Mfg. Co.

Commissioner, F. L. Alcott, Standard Lighting Co.

At the same place and time, there was a meeting of the United Vapor Stove Manufacturers Association. The following officers were chosen for the ensuing year:

President, Paul Schneider, Schneider & Trenkamp Co.

Vice-President, O. P. Moon, National Vapor Stove & Mfg. Co.

Commissioner, F. L. Alcott.

A Maine man, who earns 90 cents a day, has nine children and five dogs, is saving up to buy a bicycle.—*Ex.*

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Progress of Iron.

In an old book the other day, writes "Vulcan" in *Ironmonger*, I came across some figures which, when placed in comparison with those of the current period, strikingly illustrate the progress of the English and Scotch iron trades during the past hundred years or so. In 1740 the production of pig iron in England was 17,350 tons, in 1788, 61,300 tons; in 1796, 108,793 tons; in 1806, 250,000 tons; in 1820, 386,000 tons; in 1827, 654,000 tons, and in 1845, 1,250,000 tons. The average production per furnace per week was only 5 tons 13 cwt. in 1740, 15 tons 6 cwt. in 1788, 47 tons 6 cwt. in 1827, and 100 tons in 1845.

The first furnaces erected in Scotland were those put up at Carron in 1767. In 1786 furnaces were constructed at Clyde and Wilsontoun, in 1790 at Omoa, Muirkirk, and Devon. In 1825 the Monkland works were erected, in 1830 Gartsherrie, and in 1834 the Dundyvom works. In October, 1845, statistics showed that there were 106 furnaces in existence in Scotland, eighty-five being in blast, and twenty-five more were being built or in contemplation. The production in Scotland of pig iron had grown from 7000 tons in 1788 to 280,000 in 1843, and 400,000 tons in 1845.

Of the furnaces enumerated as being in existence in 1845 many are now in the limbo of forgotten things, or are, at all events, no longer in operation. Where now, for instance, are the Garscube, Omoa, Wilsontoun, Cessnock, Househill and Devon works? On the other hand, several of the furnaces which were famous in 1845 are still to the fore—as, for instance, Gartsherrie (which had then fifteen furnaces in blast out of a total of sixteen), Carnbroe, Langloan, Glengarnock and Carron. The hot blast process of Neilson, it should be remembered, was only patented in 1828, and was not in general use before about 1833.

The enormous development of the iron and steel trades during the past half-century may be inferred from the following statistics showing the make of pig iron in 1844: Great Britain, 1,500,00; France, 350,000; Russia, 320,000; Germany, 150,000; Austria, 100,000; Belgium, 150,000; Sweden, 30,000; other parts of Europe, 50,000; total, 2,700,000 tons. The United States is not mentioned at all, nor are Spain, Canada and Italy; whereas now the United States alone produces some 8,000,000 tons per annum, and the production of the world is probably some 30,000,000 tons per annum. The figures are almost startling as a record of what has been done in fifty years.

America Ahead.

"American builders' Hardware has just taken a fall out of the English article," says Orville Ewing, manager of a big local concern. "Some months ago an old Scotch captain dropped into my office and asked to see hinges, etc. He said he was building a house at Dunoon, Scotland, and that his wife had taken such a fancy to the American made locks and hinges on his steamer that she wanted to take them off and put them in the new house. To save his ship, the captain had promised to bring back the American article on his next trip, and he soon selected a quantity of building Hardware of different kinds.

"That was last fall; but a couple of days ago the captain made me a second visit and brought with him the plans of his handsome residence and selected Hardware fittings for every part of the building from the parlor to the coalhouse. He said that the articles he had previously carried with him were extravagantly admired by all who saw them, and that it was impossible to secure anything approaching them in style and finished in England. With that, the fittings in question were of the quality generally put into New Orleans houses erected at a cost of two or three thousand dollars." The captain in question is Capt John Simpson, of the steamer *Inch Marie*, now loading grain at the Stuyvesant Docks.—*New Orleans, Times-Democrat.*

Review of the Markets.

The presence in our city of so many buyers from all over the country, while not affecting to any large extent the Hardware industry, leaves still an air of strength and vitality in business circles that makes our merchants appear smiling and contented to wait patiently until our delegation arrives next month with their volume of wants. The orders coming in from the boys on the road and those sent out by the jobbers, are of a character and variety to prove that a general overhauling of stocks will be a feature this fall, freshening up the general stock and disposing of old shop keepers without much regard for anything except to get rid of them Improved tools are again made a subject for inquiry and will be found among the sales at a later day. The large sales already made of farm machinery, indicate the use that will be made of surplus money when the prosperous conditions of the workers—be they farmers or mechanics—leave a little leeway beyond the requirements of the day, and an encouraging prospect for continued employment can be seen ahead.

The Builders' Hardware trade, there is every reason to believe, will be greatly stimulated this fall; conditions favorable to an increased demand are becoming evident in many directions. The markets for general Hardware are being watched closely by the buyers, and much further stiffening of prices will cause a movement to "cover the shorts."

Wire Nails: The market on wire nails has received the benefit of a sustained inquiry, and quite a number of orders for delivery within 30 days. The market has visibly strengthened under the influence of this state of affairs, and the low quotations lately obtainable have all been withdrawn. The continuance of strike conditions is beginning to be felt, as the probable scarcity of coal and naturally advanced prices of its by-products are apprehended. Orders for future delivery beyond September are not obtainable, as the mills are confident that present quotations cannot be maintained much longer. We quote for carload lots at mill, $1.30; carload loads on dock, New York, $1.45; smaller lots from store, $1.55@$1.60, according to quantity.

Cut Nails: Following in the wake of the firmer movement in wire nails, the cut nail product is improving, demand being better and prices firmer. We quote as an extreme price for carload lots at mill, $1.20 base, New York prices being: Carload lots on dock, $1.30; smaller lots from store, $1.40.

Carriage and Machine Bolts, etc.: The advance recently of about 10 per cent. on stove and tire bolts and Eagle carriage bolts has had a good effect on the market for these goods, which is firmer in tone than for some time. It is thought the heavier grade of bolts, such as machine bolts, coach and lag screws, etc., the prices of which have been so long in an unsettled condition, will soon be made the subject of some agreement that will materially affect the price.

Linseed Oil: A number of advances have been made since our last issue; the Dean Linseed Oil Co., under date of August 21, quote as follows: In lots of less than 5 barrels, 42 cents per gallon; in lots of 5 barrels or more, 41 cents per gallon, Boiled linseed oil, 2 cents per gallon higher. Calcutta oil, 54 cents per gallon. Above prices are subject to change without notice.

THE DAVENPORT TRADE.

The immediate result of the passage of the tariff bill is a settled condition of business. Whether we approve or disapprove of the law as it now stands, we recognize the fact that it is the law, and will continue as such for at least four or five years to come, and that we must direct our business plans accordingly.

It is impossible to write of the effect this change will

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have, or is having, on the welfare of our locality, without seeming to be politically biased. *Hardware* does not permit political discussion in its columns, and being a national trade paper, it should not do so; but when we note that our factories are all running, "that have long been standing still;" that the people who have been for many years standing on the street corners seeking work, have obtained it; that, having obtained an opportunity to earn money, they are earning it; having money, they are spending it—they are living better and hence have increased the demand for farm prodects; the increased demand has advanced prices; receiving higher prices has given the farmer more money, with which he is paying his debts, repairing his buildings or fences or making new. When we note that confidence and trust have taken the place of distrust among our capitalists, our own sales increasing, our margin of profit widening, and collections improving, we fear your readers will conclude we are prejudiced in favor of the change which has given such an impetus to business and has added so much to the commercial prosperity of this locality.

SICKELS, PRESTON & NUTTING CO.

THE BOSTON TRADE.

It is certainly encouraging to learn the widespread reports from our Western friends of revival in the demand for merchandise and other products, the actual increase being such as to demand general recognition.

From newspaper reports, we learn in many Western cities buyers are more numerous than in years past, bringing such statements of the situation at their homes as to warrant heavy purchases. We congratulate our friends in the West upon this state of affairs, but we cannot say that the boom has reached the jobbing center of New England. However, such reports are welcome signs, and business conditions throughout the country seem to be on the mend. Although it cannot be said that there is any immediate prospect of an incoming tide of prosperity, yet the outlook is certainly flattering, and the coming year promises to eclipse its predecessor.

The farmer is getting higher prices, and the condition of crops throughout the world is favorable to our own producer. Good crops, higher prices, increased demand in the West, mean busy factories and a prosperous time for the East.

Since the close of our spring trade, the tariff question has been settled, and what effect it will have on the general business is still problematical. There is no doubt that certain great industries will be stimulated by the protectionist character of the measure, and we hope this will more than balance certain objectionable features which have already become evident. The mere fact that for the next four years we have the assurance that we are to be free from tariff changes is an impetus to business, and we trust that before we have any more tariff reforms we shall have a reform in tariff making. FRYE, PHIPPS & CO.

THE PHILADELPHIA TRADE.

The regular fall trade may now be considered as under way, and the encouraging reports which are received from many parts of the country tend to a greater feeling of hopefulness, and it is very noticeable that this hope is not confined to any set of men or section of country. All hope to share in the general prospect and good times, which we now feel are coming.

How far the "new" tariff is responsible for this state of affairs we cannot say, but we know that the feeling of confidence which comes from a settlement of the question has been a great blessing, and is now greatly helping the situation. As far as prices are concerned, the "new" tariff has had but little direct effect, excepting in cutlery, where, in some cases, the advance has been quite heavy.

Dealers, as usual, protest greatly against these new prices, and the hardest kind of pressure is brought to bear to induce jobbers to sell at old prices, which, of course, cannot be done, as a jobber can purchase only on "new" tariff prices and must sell his goods accordingly.

It always takes a little time for the market to right itself under such conditions, but it will doubtless settle down to fixed values in the course of a few weeks.

In some lines trade has been increased by the "special" inducements offered by the Philadelphia Trades League for merchants' excursions from various parts of the country to Philadelphia. This circular sets forth that Philadelphia is the greatest manufacturing city in the country, and that buyers who visit other cities are frequently only buying Philadelphia goods at second-hand. It is said that over four thousand excursionists arrived on the first of these excursions, and that dry goods houses especially report a large amount of business in consequence.

Hardwaremen, as a rule, are not greatly given to travel —perhaps because our goods are staple and not subject to the caprices of fashion, and so this cause does not apply very much to the Hardware lines.

The natural increase of business, however, in the fall, is having its effect on orders, which are larger in volume and more numerous.

As for prices, the market shows a little change, although there are many indications that nails will be higher before this writing sees the light.

Collections are improving, and, on the whole, the outlook is decidedly better. BIDDLE HARDWARE CO.

THE OMAHA TRADE.

August trade up to the present time shows a material increase over the corresponding period of a year ago, and the generally improved feeling both among merchants and consumers, argues even better for future business than the present figures show.

In the territory tributary to this market, conditions have not been as favorable for a prosperous year's business since 1892. Produce of all kinds is bringing good returns to the producer, and the yield has never been excelled and seldom equalled.

The new tariff law will have no material effect on business in this locality. The fact of the contemplated change did not induce any advance buying, and the improved trade conditions appear to be due mainly to local causes, although the advance in the price of produce is due to general conditions and not local ones.

RECTOR & WILHELMY CO.

THE PITTSBURG TRADE.

We have to report a very fair volume of business for this time of year, although while conditions still continue favorable and the prospects are seemingly as bright as ever, the increase is hardly as marked as was hoped for.

Traveling men report their trade as feeling very hopeful, but not yet ready to place orders in excess of their immediate wants. Everyone seems to be keenly on the alert to capture the long expected orders, and the result is a competition which divides the benefits and tends to keep prices at their present low level.

There is, however, some evidence of an advance in the iron market which should have a bracing effect.

While the passage of the tariff bill has not directly affected to any great extent the principal industries of this section, with the possible exception of glass and pottery manufactures, it has helped to restore confidence by the assurance that the agitation on this subject is now over for some time at least.

Most of the mills are running full time, and during the present month a number of those that have been previously wholly or partially idle have resumed operations or increased their working hours.

So far as stimulating trade by influencing the merchant to buy in the hope of anticipating the advance which must

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soon be felt in some items, notably cutlery and firearms, very little effect is noticeable.

The local conditions are, moreover, decidedly unfavorable to immediate improvement. The long continuance of the coal strike cannot but exert a depressing effect. Its influence is felt both in the fact that its continuance for a short time longer will probably result in the shutting down or at best the curtailing of the operations of a number of manufacturers, on account of a lack of fuel, as well as by the almost complete stagnation of country trade in the mining districts. Possibly this stagnation is responsible for most of the deficiency in the expected improvement, and the very fair amount of business doing in spite of such adverse conditions should be regarded as encouraging, indicating that only the bettering of local conditions is necessary to produce a satisfactory volume of trade.

At the present writing there seems to be no indication of an early settlement of the strike, but since matters have been taken into the courts, it may be that one or other of the parties will be put in such a position that they will be compelled, in self defense, to make concessions that will lead to an adjustment of the present difficulties. On whichever side our sympathies may be enlisted, we cannot but wish for an early ending of the strike and an arrangement whereby steady work may be secured to the miners at wages which will be a just remuneration for the labor performed, and at the same time, fair to the operator.

When this disturbing element is removed, we may confidently predict, in view of the present conditions, a much better business for this vicinity this fall than a year ago.

LOGAN-GREGG HARDWARE CO.

THE CLEVELAND TRADE.

For some time trade in this section has been in such a condition that it seems almost useless to make any report of it. Quiet has reigned, and hand-to-mouth buying, which has characterized the past two or three years, has continued without change. We are glad, however, to be able to chronicle a very much better state of feeling at the present time, but regret that thus far it is only a state of feeling. As a matter of fact, the purchases are not much more liberal than they have been in the past. Buyers are timid, fearing that the advances that are now promised them will fail to materialize, just as they have done in the past.

In taking this view, we think that they are mistaken, as we have a basis of prosperity now that has not existed for several years back.

We are building upon a solid foundation. The products of the ground are bounteous and are being sold for good prices. The benefit of this good price is being derived by the producer, and not by the speculator. Of this great community, probably the farmers are in better shape finnacially, than they have been for years.

It is unreasonable to suppose that large results will show in the Hardware trade during the fall, as the class of goods sold by Hardwaremen is of a character where improvements enter into the matter. As the winter is now very near at hand, it is difficult to carry out these improvements before cold weather overtakes the workers. We feel quite sure that the spring of 1898 will show a remarkable activity, and that we shall commence to reap the rewards of patient watching and waiting, through which we have passed during the past four years.

In this review of the conditions we are, of course, governed largely by local coloring, yet, if we may believe what we hear, the same conditions that exist in our vicinity, are prevalent all over the country.

The first sign of an improvement came in the nature of an advance on the staples, wire and nails, which will have gone into effect before this communication reaches you.

We think that this is the opening gun, and that the advance thus made may be considered a legitimate one brought about by the laws of demand and supply. Even at the slight advance that has been made the value is still very low, and an increase in price considerably beyond the present market can be obtained without the slightest hardship to the consumer.

Let us hope that all values will be established upon a fair basis, that our manufacturers will be successful enough to avoid overproduction, unnecessary extension of their works, and all the other evils peculiar to the American people.

We have certainly been taught some very severe lessons during the past four years, and a return of caution at this time, when prosperity seems to be at our very door, is not out of place. Rigid economy in business administration and personal living, which has been compelled by necessity for some time back, should be continued in order to avoid a repetition of the disastrous times just passed.

This advice is probably not necessary to those who have summered and wintered many years, but it may be taken to heart by the younger members of the trade who will probably be the ones to become lax and practice extravagance with prosperous times.

THE MCINTOSH-HUNTINGTON CO.

THE COLUMBUS TRADE.

Trade is quiet, as it always is this time in the year. Several of our people are taking their annual vacation, and only a part of our salesmen are on the road: We can say, however, that mail orders are fully up to former years in July and August, and trade up to August shows a very satisfactory increase over 1896, and if there is any virtue in signs, we will surely have a very satisfactory fall trade. We can see nothing in the near future to prevent it. Farmers had an abundant crop of grass, wheat and oats, and the prospect for corn was never better. Prices are certainly good when the price of manufactured and other merchandise is considered. Wheat is selling at 80 to 85 cents; corn, 25 to 30 cents per bushel; hay, $6 to $6.50 per ton. These prices are paid by the local buyer, so the farmer is at but little expense in getting his products to market. In fact, everything the farmer has to sell is a better price than a year ago. Cattle, hogs and sheep are higher. Wool is at least 50 per cent. higher. With good crops and good prices we must have good trade.

The new tariff will help the farmers in this community on hay and wool. It is a well-known fact that in years gone by Ohio was close to the Banner State as a wool producer. Wool was one of the best, if not the most profitable products of the farm, but when the Wilson bill was passed it virtually killed the sheep industry. Now it is looking up again, and sheep begin to act and look as though they were worth something more than mutton. The lambs seem to wiggle their tails more gleefully, and the old buck dares you to get over the fence. Our factories are in better shape than for a long time, and we hear of but few complaints. Most of them are well supplied with orders. The King, Gilbert & Warner Co. have completed their new furnace, and you can see a red glow in the heavens over their extensive plant every night. The Columbus Buggy Co. have reorganized, and are running full time with a force of about 350 hands. The Halwood Cash Register Co. cannot keep up with their orders, and are increasing their facilities from month to month.

The railroads are doing a good business in passenger traffic and farm products, also manufactured goods, but the roads that have to depend on the coal trade (and we have several) are doing but little. Their passenger business is not heavy in the southern part of the State, and when the mines are not in operation they have but little merchandise to haul, and now scarcely any coal. The side tracks are lined with empty coal cars awaiting a settlement of the big strike, which does not seem to be near

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at hand. We have not talked with a single Ohio coal operator who is not in sympathy with the strikers, and would be glad to pay the price asked by the miners if the Pennsylvania operators would do the same. We find it makes a big difference in our business, as the Hocking territory is good territory for Columbus. Prices are showing an upward tendency. Nails are higher than they were the first of the month. Wire is $1 per ton higher. Glass is five per cent. higher. In fact, a number of articles are bringing better prices.

The writer returned from his fishing trip, and has the 125 pound fish with him. I caught a number during my trip, but the one I brought home with me is the only one I cared to keep. It was a very lucky catch and I am perfectly satisfied. I confess I am surprised that the bait lured such a prize. But you can't always account for a woman's tastes. I must correct an impression that must have been made by the notice in your valuable journal July 20th. The article stated that I was the senior member of the firm. Now that is a gross libel. I am the only boy in the firm; my brother is older and has less hair on his head than I. I think the last time we counted I had a gross more hairs than he had. The secretary and treasurer of the firm are both well along in years (nearly as far along as myself). If I die with old age, they can make their wills, because they will have to follow very soon. I wanted to have the matter corrected, as I don't want my friends to think I am growing old; I would especially dislike to have my wife find it out.

THE SMITH BROS. HARDWARE CO.
J. H. Smith.

THE CHICAGO TRADE.

The new tariff law does not materially affect many lines of goods which we carry, for the reason that of late years most of the Hardware, tin-plate and cutlery is manufactured in this country. We note some changes in table and pocket cutlery, chains, plyers and other small German Hardware, measuring tapes, guns and sheep shears. But what is contributing more towards a revival of business in Chicago at the present time, and helping our salesmen wonderfully, is the high prices being paid for wheat, corn, cattle, provisions and hay.

Very often on other occasions advances have been made that elevator men and speculators have reaped the advantages of, but at this time the farmers of the country are receiving the high prices for crops, that are most bountiful.

In the cities, investors have had their stocks and bonds appreciated largely, so that the entire Western country seems to be in a very prosperous condition; money is plenty, and we are receiving liberal orders for both present and future delivery.

In the past two weeks we note advances that have been made in carriage bolts, sheet steel, sheet iron, tire bolts, stove bolts, coil chain, halter chain, stamped and retinned pans, and understand more are to follow.

As soon as the corn crop is past the danger from frost, we expect the retail Hardware dealer will be ready to purchase his fall and winter requirements in large quantities, and, as a matter of fact, we believe present prospects indicate that purchases of goods in the Hardware line will prove very satisfactory, even if stocks have to be carried a long ways in the future.

Goods were never so cheap, never so well made, and the purchasing power of the country never so great.

Our salesmen are busy, hopeful and happy.

WELLS & NELLEGAR CO.

The toothpicks of orange wood, which come from Japan, are made by hand. It is said that Japanese workman can whittle from twelve to twenty dozen a day.—*Exchange.*

The Ancient Hardware Dealer.

From the statements made by a contemporaneous archæologist, the stocks of mechanics' tools and even of some housefurnishing goods carried by the Hardware dealers of ancient Pompeii and Herculaneum, if such stores existed, did not differ so widely from those of to-day. On looking at the iron tools grouped together in an old factory there, this man, Professor Goodman, says he could almost imagine he was gazing into a modern tool shop, except for the fact that there was a coating of rust on the iron. Sickles, bill hooks, rakes, forks, axes, spades, blacksmith's tongs, hammers, soldering irons, planes, shovels, etc., are much like those used to-day. Incredible as it may appear, the Pompeiians had wire ropes of perfect construction. Their bronzes reveal great skill and artistic talent. The bronze brazier and kitchener had boilers at the side, and taps for running off the hot water. Ewers and urns have been discovered with interior tubes and furnaces precisely like the arrangement now in vogue in steam boilers. Metal safes had substantial locks. Many of the locks and keys are most ingenious, and some very complex.—*Industrial World.*

An Effective Call.

A Hardware "drummer" who put up for the night at the leading hotel in a small town, had, before retiring, left explicit instructions to be called for an early train. He was very earnest about the matter, and threatened the clerk with all manner of punishment if that duty was neglected. Early in the morning the guest was disturbed by a lively tatoo upon the door. "Well?" he demanded sleepily. "I've got an important message for you," replied the bell-boy. The guest was up in an instant, opened the door and received from the boy a large envelope. He tore open the envelope hastily, and inside found a slip of paper on which was written in large letters: "Why don't you get up?" He got up.—*Home Magazine.*

According to the traditions of the Greeks, the first discovery of iron by the human race was made on Mount Ida, by the tribe called Dactyles. It is said that the forest was set on fire by lightning, and so intense was the heat of the great masses of fallen trees that the bed of iron beneath was melted and trickled in small streams down into the valley.

The yearly consumption of sugar in the United States is about 2,000,000 tons, or 4,000,000,000 pounds, which is equivalent to about sixty pounds to every man, woman and child in the country. The quantity of salt consumed is about 1,900,000 tons, or 2,000,000 pounds less than the weight of the sugar used.

With the assistance of the latest machines a piece of leather can be transformed into a pair of boots in thirty-four minutes, in which time it passes through the hands of sixty-three people, and through fifteen machines.

If the armies of Europe should march at an eight-mile gait, five abreast, fifteen inches apart, it would require nine and one-half days for them to pass a given point.—*Exchange.*

Only seventy years have elapsed since the first railway in the world was finished. During that comparatively brief period 400,000 miles have been constructed.

In each eye of the common house fly there are about 4,000 facets. They are so minute that they can only be detected under the microscope.—*Exchange.*

In 1883 Japan had only eighty-three factories with machinery. Ten years later their number was 1163.

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WE MANUFACTURE

FIRE POTS, TORCHES, BRAZING MACHINES, CORE AND ENAMELING OVENS,

SELF-HEATING TAILOR IRONS,

Confectioners' Heaters, Bicycle Pumps, Wall Torches, &c.

Union Heater Supply Co.,* 91 Congress St. E., *Detroit, Mich.

Some Stoves of the Past.

Recently our genial and efficient postmaster at Riegelsville, G. W. Fackenthall, Esq., presented several artistic cast iron stove plates to the local geologist, Charles Laubach, of Durham, to be placed in the Museum of Archæology and Paleontology, connected with the University of Pennsylvania, Philadelphia.

The plates are profusely embellished and bear the date 1785, cast by Richard Backhouse, Durham, who was proprietor of the Durham furnace from 1779 until his death in the winter of 1792–'93. The earliest patterns of stoves cast here dated 1741, was the so-called Adam and Eve pattern. This stove was designed by its inventor to instruct, as well as to supply comfort when the chilly blasts of winter reigned supreme. It was of box shape, about two feet square, without side or oven doors, having merely an opening in front to supply it with fuel, and a hole on top for the exit of smoke. Stove pipes were seldom used on this pattern of stove. The sides of the stove had the date 1741 inscribed in raised characters, surrounded with fine scroll work; above this on the side plates were raised figures representing Adam and Eve, the serpent, several trees and animals in the background, the whole embellishment being of an interesting nature.

The pattern (1742) was in use but a short time, as in 1745 Dr. Franklin invented the famous Franklin stove, which, owing to the prominence of its inventor, was universally adopted and extensively maaufactured at Durham until the furnace blew out in 1792. Various improvements were made upon the Franklin stoves, by the various manufactures, especially in the embellishing line.

In 1756 many stoves with Swedish inscriptions and copious ornamentation were cast at the furnace and the New Jersey forges connected with the Durham furnace. In 1774, George Taylor, the signer, had a model of a stove constructed with the inscription, "Durham Furnace, 1774," thereon. This inscription was surrounded with a wreath of fine scroll work. In 1789 Captain Valentine Eckert had a pattern of a stove manufactured embellished with an eagle bearing a wreath, on which was the motto, "E Pluribus Unum." In 1790, Mr. Pettibine, of Philadelphia, patented a stove designed for heating large buildings. Thus we find that the stove, as everything else, gradually evolved from a lower to a higher plane, and at present has attained an ornamental and useful status.—*Doylestown, Pa., Democrat.*

How Emery is Quarried.

Co-operators may be pleased to know that among the few trades of the world in the hands of the laborers is that of the emery quarryman. Emery comes from the Island of Naxos in the Eastern Mediterranean, whence it has been exported for the last two centuries or more. The beds are in the northeast of the island, the deposits decending into some of the neighboring islands, the emery being found in lenticular masses. resting on layers of schist in limestone, almost identical with Parian marble, the finest marble known, which comes from the Island of Paros close by.

There are about three hundred men engaged in the trade, all of whom have to be married before they are admitted to the fraternity. The material is much too hard to be dug out, or even blasted. Great fires are lighted around the blocks till the natural cracks expand with the heat, and levers are then inserted to pry them apart.

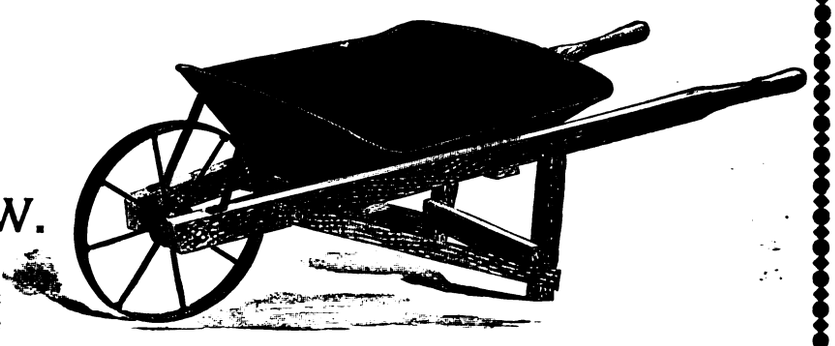
This system is continued until the blocks are reduced in size to masses of a cubic foot or less, and they are then shipped as if they were coal. There are said to be 20,000,000 tons yet available at Naxos, and last year's export was 3950 tons. It is one of the hardest substances known.—*Dispatch, Pittsburg, Pa.*

They send no glittering statements out,
When a bank goes to smash in China;
To show 'tis solvent beyond a doubt,
When a bank goes to smash in China.
No pitying tears you see them shed,
But they take a big cheeseknife instead
And amputate the president's head;
And banks never break in China.

—*Michigan Tradesman.*

PAN-AMERICAN R.R. BARROW.

With Round Steel Spoke Wheel
The most durable, lightest and best barrow made. Used all over the world. Barrows for all purposes.



Write THE KILBOURNE & JACOBS MFG. CO.

COLUMBUS, O., U. S. A.

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Patented January 5, 1897. Others applied for.

IT EXPLAINS
Why it is
Superior to all other
Hose Reels. This
The Hartzell
Self-Draining Hose Reel
will carry more hose,
it will **drain, preserve** and
greatly increase
the **durability** of **Hose.**

It is a beautiful ornament for a lawn. It is convenient, light, strong. It will please your customers as it saves money. For prices and Sample Reels, address

The Hartzell Novelty Works, (Sole owners and man'f'rs) ALLIANCE, OHIO.

Situation Wanted.

AN experienced traveling salesman covering Pennsylvania, Ohio and Indana, in Hardware specilties, references gilt edge. G. M. STONE, North East, Pa.

WANTED to travel in New England for A1 House Specialties preferred. Best of references. Address H. H. BOX 1464, Boston.

Hardware Stock Wanted.

WANTED to exchange, real estate in Indianapolis, Ind. for stock of Hardware. Box 44, Washington, C. H. Ohio.

For Sale.

ESTABLISHED Hardware business. Particulars to parties interested. Address PARTICULARS, care HARDWARE, No. 143 Chambers Street, New York.

THE BEST IN THE CITY.

Deposit your Securities and Valuable Papers and Silverware in the new vaults of

National Safe Deposit Co.
OF NEW YORK.

THE MUTUAL LIFE BUILDING,
32 Liberty Street, New York.

Safes $5 00 per Annum and Upwards.

OFFICERS.

JAMES C. HOLDEN, PRESIDENT. **JOHN A. FONDA,** VICE-PRESIDENT.

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JOHN A. FONDA, ASSISTANT TREASURER THE MUTUAL LIFE INSURANCE COMPANY OF NEW YORK.
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THEODORE W. MORRIS, OF THEODORE W. MORRIS & CO.
B. AYMAR SANDS, - - - OF BOWERS & SANDS.

Ancient Glass Makers.

The glass blowers of ancient Thebes are known to have been as proficient in that particular art as the most scientific craftsmen of the same trade of the present day, after a lapse of forty centuries of so-called "progress." They were well acquainted with the art of staining glass, and are known to have produced that commodity in great profusion and perfection. Rossellini gives an illustration of a piece of stained glass known to be 4000 years old, which displayed artistic taste of a high order, both in tint and design. In this case the color is struck through the vitrified structure, and he mentions designs struck entirely in pieces from one-half inch to three-quarter inch thick, the color being perfectly incorporated with the structure of the piece, and exactly the same on both the obverse and the reverse sides. The priests of Ptah, at Memphis, were adepts in the glass makers' art, and not only did they have factories for manufacturing the common crystal variety, but they had learned the vitrifying of the different colors, and the imitating of precious stones to perfection. Their imitations of the amethyst and of the various other colored gems were so true to nature that even now, after they have lain in the desert sands from 2000 to 4000 years, it takes an expert to distinguish the genuine articles from the spurious. It has been shown that, besides being experts in glass making and glass coloring, they used the diamond in cutting and engraving glass. In the British Museum there is a beautiful piece of stained glass with an engraved emblazonment of the monarch Thothmes III, who lived 3400 years ago.—*Ironmongers' Chronicle.*

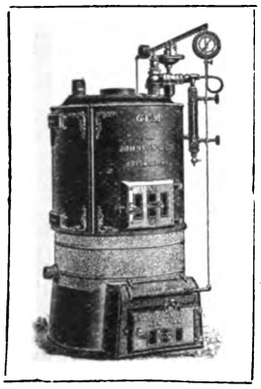
Here are some queer notices culled from an advertisement column:

Bull dog for sale; will eat anything; very fond of children.

Annual sale now on. Don't go elsewhere to be cheated—come in here.

A lady wants to sell her piano as she is going abroad in a strong iron frame.—*Exchange.*

As early as 1590 English iron mills for preparing wrought iron in bars for blacksmiths were established by Godfrey Boches.—*Chattanooga Tradesman.*



GEM and ECONOMIST HEATERS.

FOR HOT WATER and STEAM HEATING.

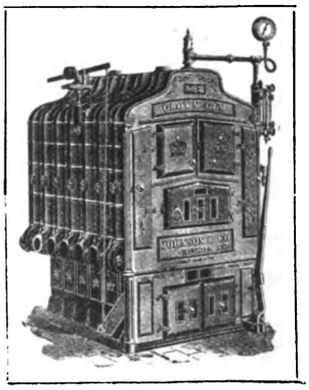
GEM, ROYAL GEM and CROWN GEM, PORTABLE, ECONOMIST BRICKSET.

Embodying the latest improvements connected with the heating of houses. Special attention is given to improving the heating of houses of modern construction. Trade correspondence solicited. Write for Catalogue.

. . . . MANUFACTURED BY

JOHNSON & CO.,

CATSKILL, N. Y., and 84 John St., New York.



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Seymour Cutlery Co., ESTABLISHED 1839.

—SUCCESSORS TO—

HENRY SEYMOUR CUTLERY CO.,

Office and Factory, Holyoke, Mass., U. S. A.

Seymour Shears ARE THE STANDARD.



- Every pair is fully warranted and if found imperfect from any cause will be replaced with perfect shears.
- No commission house is sole agent for the SEYMOUR SHEARS.
- Notice our imprint on every paper pocket inclosing shears.
- Write for Catalogue and prices.

OILERS

25c. **10c.**



Highest Grade Oiler.

DOES NOT LEAK.

Regulates supply of oil.

A little higher in price but,—



The Best Medium Grade Oiler.

Made in best manner possible.

Second to none but the "Perfect."

CUSHMAN & DENISON, Mfrs., 172 9th Ave., N. Y.

A New Use for Tin Scrap.

A two-horse load of tin clippings was being transferred to the rear basement of a prominent hotel, says the Philadelphia *Record*. It had come from a can factory, and the narrow, curling strips had become so twisted and intertwined as to form a conglomerate mass that was moved with the greatest difficulty by two sturdy fellows with stable forks. A bystander who was curious enough to enquire what use a swell hotel had for such truck was answered by an attache of the house: "We use it for the rats; I mean the big, gray fellows with whiskers. The hotel rat is bigger, bolder and wiser than any other rat. He laughs at traps, fattens on poison, and the killing or chasing of dogs, cats and ferrets is his pet diversion. Even when energetic measures have rid us of the pests they are with us again in augmented force within a day or two. They will tunnel through almost anything for incredible distances. It is their boring ability that has given us so much trouble hitherto. No matter how we closed up their passageways the routes were promptly reopened. Filling the holes with broken glass was considered a good scheme until we found that, with marvelous patience, they removed the glass piece by piece. But we think we've got them now. With this tangled-up tin we construct a sort of abatis, covering all places where the beasts are likely to enter our cellars. They can't get through it. They can't chew it, and they can't carry it away as they do broken bottles, for when Mr. Rat takes hold of a single strip of the tin he finds it an inseparable part of a net-work weighing many pounds."

Trade Paper Advertising.

A successful manufacturer, when asked why he patronized trade papers so largely, to the neglect of other methods of advertising, replied: "Men who do not read their trade papers and keep posted in their business are usually poor customers. If I sell them a good lot of machinery, they do not know how to use it, and report a failure, or we have to run after them, lose time and money to get them going and make the sale stick. But those who read and are posted know how, and succeed. Such men would not read circulars if I were to mail circulars to them. They see my advertisement regularly in the trade paper and know I have an established business, and when they want anything in my line write me, and don't whine about prices or what time they can get from others, but buy, try, and have no trouble, and pay the bill. Give me such a class of customers as I can get by judicious advertising all the time."—*National Provisioner*.

HARDWARE'S "Prices Current" are reliable

HANDLES AXE. ADZE. PICK. SLEDGE. HATCHET. HAMMER. FOR EXPORT AND HOME USE.

GEO. S. Parkes & Co. Nashville, Tenn.

CELEBRATED HICKORY

CARRIAGE WOODS

SHAFTS, POLES OAK AND HICKORY RIMS, BOWS, SINGLE AND DOUBLE TREES.

SPOKES

EVERY SIZE AND PATTERN. WRITE FOR PRICES AND SAMPLES.

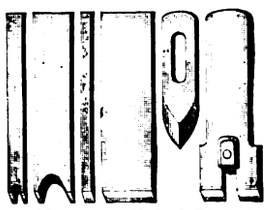
SEND FOR PRICES

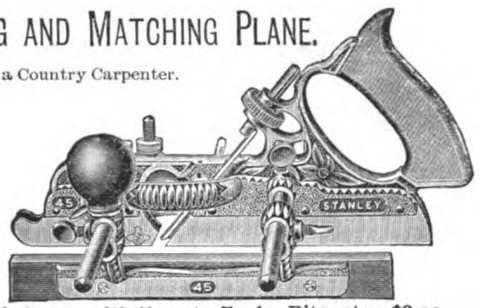
"Bright and Newsy."

Biddle Hardware Co., Philadelphia, Pa. [*General Hardware and Bicycles*]: In season and out, we have claimed that the Hardware trade was the proper medium for the disposal of bicycles and bicycle sundries throughout the country, and our opinion on this point is so well known, that it does not seem as if we could strengthen it materially by saying it again. Of course large cities may be able to support a few exclusive bicycle men, but in the majority of towns and cities throughout the country the man must have other business in order to make it pay. We appreciate the fact that from the first HARDWARE has held the same views, and we think they have been fully justified by the trend of events. HARDWARE is always welcome in our office, and its bright and newsy columns are often a relief amid the cares of business.

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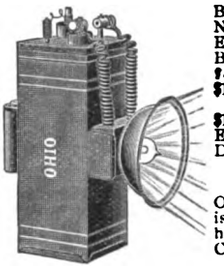
STANLEY'S ADJUSTABLE
BEADING, RABBET, SLITTING AND MATCHING PLANE.
"A Planing Mill within itself,"—says a Country Carpenter.





No. 45. Nickel Plated Stock and Fence, with Twenty Tools, Bits, etc., $8.00
SOLD BY ALL HARDWARE DEALERS.

WE UNDERSELL ALL.
It gives a Light that's White and Bright,
And two cents is the cost per night.



Bicycle Elec. Lights.	$4.0
Necktie Elec. Lights.	1.50
Edison Elec. Motors.	1.10
Battery Fan Motors.	5.00
$8 Medical Batteries.	3 95
$100 Bicycles, best make	39 00
$1.25 Bicycle Bells....	.50
Electric Bells, finest.	.30
Dry Batteries, best..	.25

Discount to Dealers.

Our Bicycle Electric Ligh is the best thing that ever happened. . . . . Catalogues free.

OHIO ELECTRIC WORKS, CLEVELAND, O.

Getting Back Lost Customers.

A dealer sometimes loses sight of his customers. He does not know what has become of them, but is perfectly well aware that they have ceased to favor him with their orders, and that their absence means a falling off in business unless others equally valuable have taken their place. Then why not try to bring them back? They may have left the neighborhood, but unless this is known as a fact they are still worth searching for. If, says *Hardware and Stoves Reporter*, they have gone to a competitor—a fact which hurts both the pride and the pocket-book—they may be brought back by the exercise of a litte patient endeavor, and even if they have left the whole world forever they may have executors or successors who do not know how well the merchant's former customer was pleased with his goods. It never pays to lose a customer, even if a fitting substitute is found. The substitute would probably have come along, anyway, and as no increase in trade results, there has been a step backward, since any business that stands still has practically made a recession. Hunting out old customers and regaining their trade is even better than finding new ones, as in the former case the merchant knows their wants and personal peculiarities and has a better chance for pleasing them.

John P. Buckley, an inventor of New Orleans, has applied for a patent on an "egg boiler" that is a novelty. This little invention can be manufactured and sold for a few cents, and will shortly be put on the market by a stock company comprised of well-known business men of New Orleans. This egg boiler is a small contrivance that fastens on the cover of a kettle or pot, a needle points to the figures that indicate how long the eggs are to be cooked. When the eggs have boiled that length of time a bell rings and the cook is assured the eggs are cooked just as she wished them. This invention is generally conceded to be one of the most serviceable yet invented by Mr. Buckley.

HAVEN'T YOU NOTICED

That some days selling goods comes easier than others? Hasn't it always been when you were interested—enthusiastic? Did you ever try to "enthuse" over a roll of "cheap" belt? Pretty hard work, isn't it? That's always the trouble with goods you don't believe in—a man must believe before he can interest himself or interest others. It's easy to do both when handling high-grade goods—**1846 PARA** and **DOUBLE DIAMOND BELTS** belong to the 'easy" class.

BELTING, GARDEN HOSE, WATER HOSE, FIRE HOSE, SUCTION HOSE, STEAM HOSE, AIR HOSE, TUBING	*Chicago, . . . 143-145 Lake St.* *Boston, ... 24 Summer St.* *Philadelphia, . 308 Chestnut St.* *St. Louis, . . . 210 N. 12th St.* *Indianapolis, . 79 So. Illinois St.* *San Francisco, 509-511 Market St*	PACKING, GASKETS, VALVES, RUBBER TILING, RUBBER MATTING, EMERY WHEELS, SPECIALTIES, LEAGUE TIRES.

NEW YORK BELTING & PACKING CO. LTD

PIONEERS AND LEADERS, 25 PARK PLACE.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Birmingham, Ala.—Prowell Hardware Co.

Buffalo, Minn.—Frank McKnight.

Butte, Mont.—Baker & Bertsch.

Capron, Ill.—H. H. Snow.

Carlinville, Ill.—Wm. Shaipee.

Concord, N. H.—The Nourse Hardware Co.

Deadwood, S. D.—The C. A. Griffith Hardware Co.

Gibson City, Ill.—F. H. Barber.

Greenwood, Wis.—Ezra Donaldson.

Harvey, N. D.—Doering & Schmitt Bros.

Los Angeles, Cal.—Matthews & Arnott Co. has been formed by Newell Matthews, W. E. Baxter, Geo. Arnott, Willard Arnott and C. F. German, who will deal in farm implements, Hardware, etc. Capital stock, $100,000; subscribed stock, $75,000.

Mellott, Ind.—J. B. Mellott.

North Platte, Neb.—E. Blankenberg.

Palouse, Wash.—Robert Fullerton.

Tintah, Minn.—P. L. Stickney will open a branch store at Nashua.

Underwood, Minn.—Niels Poulson.

Walhalla, Md.—McMurray Bros.

Changes and Removals

Adams, N. Y.—The store formerly occupied by D. D. Hickey is undergoing repairs and when finished will be occupied by Roberts, the Hardwareman.

Alexandria, Minn.—Leary & Mason intend commencing at an early day the erection of a new store.

Amherst, Mass.—W. W. Hunt is contemplating selling out his Hardware and plumbing business.

Auburn, N. Y.—Dunning Hardware Co. will go out of business. Their stock of goods remaining September 1st will be purchased by the three local Hardware firms and divided among them.

Ballinger, Tex.—Van Pelt & Baker succeeded by A. H. Van Pelt.

Benton Harbor, Mich.—The Benton Hardware Co., Geo. Anderson owner, has sold his business to M. V. Cheeseman, who will continue.

Bound Brook, N. J.—Wm. G. Giles of Newmarket, and Wm. D. Voorhees of this place, have purchased the Hardware business conducted for many years by Chas. E. Dunham.

Bowling Green, Ohio.—Kramer & Chaney succeeded by Chaney & Kramp.

Cerrillos, N. M.—The Cerrillos Supply Co. succeeded by W. H. Kennedy, under the same style.

Chattanooga, Tenn.—T. A. Snow has been merged into a stock company, capital stock being $35,000.

Chippewa Falls, Wis.—Webb & Fletcher have dissolved and business is succeeded by L. A. Fletcher.

Dexter, Minn.—I. Guleson is erecting a new store.

Elkton, Ky.—Redford & Thuss have dissolved. J. A. Thuss retires and C. M. Redford will continue the business.

Eureka, S. D.—Schmidt & Doering have a new store now in course of erection. It is nearly completed and will soon be occupied by this firm.

Forrester, Ill.—J. Ables has sold a half interest in his business to Mr. Deuitsman. The firm will be known as Able & Deuitsman.

Hackettstown, N. J.—H. H. Van Dusen has rented the Van Horn store on Hope Street and will remove his Hardware business to that store.

Henry, S. D.—Whaley Bros. have sold their stock to Chas. Aldrich of Doland, who will assume active management September 1st, the business in the meantime being in charge of William Whaley.

Hibling, Minn.—The Hibling Hardware firm, T. H. Lees has sold his interest to the other stockholders and retires from the business.

Laramore, N. D.—F. H. Stoltz intends remodeling his building to make it suitable for a Hardware business.

Mankato, Minn.—Mankato Hardware Co. has dissolved, August Meier retiring.

Medora, Ill.—Capt. Drenman, interest purchased by J. Robings.

Minneapolis, Minn.—G. E. Woehler has been succeeded by G. E. Woehler & Co.

Mishawaka, Ind.—The Smith Hardware store has been purchased by F. Hartman.

Monticello, Ill.—Harris & Ridgeley have dissolved partnership; their business will be continued by Harris Bros.

Nachotta, Wash.—T. R. Brayton, stock has been purchased by J. A. Moorehead.

Nashville, Tenn.—H. G. Lipscomb & Co. have dissolved, James Fisher retiring, and Brown Buford admitted, the business continuing under the old style.

Orange City, Ia.—A. Bolks, Hardware and groceries, has decided to close out his stock of groceries and confine himself to Hardware only.

Pearl City, Ill.—Reed & Reynolds. Chas. Kuhlmeyer has purchased his brother's interest.

Springfield, Mass.—Eames & Lee have dissolved partnership; Noah H. Lee will continue the business.

Toledo, Ohio.—Sweatman & Test, reported to have dissolved partnership.

Towne, N. J.—E. L. Conklin has been succeeded by Gilbertson & Co.

Whitewater, Wis.—The Whitewater Hardware Co. have filed notice of dissolution of partnership.

Wilmot, S. D.—C. C. Draves is succeeded by Ireland & Hangen.

Woonsocket, R. I.—Fred. Stone has sold out his Hardware business to E. C. Moorhead.

Yarmouth, Me.—A. J. Partridge is moving his stock of Hardware to the store recently purchased by him on Lafayette Street.

Business Embarrassments.

Bay City, Mich.—The Miller Hardware store and book accounts have been sold at auction by the assigne. Property was purchased by George W. Ames for $36,600. This will enable the creditors to receive about fifty cents on the dollar.

Boston, Mass.—Herbert G. Moses, Hardware and paints, has been closed out by the sheriff.

Chicago, Ill.—A. Heuer & Son, No. 173 Randolph Street, have assigned. Assets and liabilities about $60,000.

Colorado Springs, Colo.—The Victor Hardware Co. has assigned to H. B. Roby. Assets, $20,000; liabilities not given.

Geneva, N. Y.—A. H. Cary has assigned to A. Seymour Dollard. Assets and liabilities not stated.

Iowa Falls, Ia.—G. H. Wilson & Son have assigned to H. C. Miller. Assets and liabilities not stated.

Jeffersonville, Ky.—Lindley & Fry have assigned to T. B. Rader.

Lebanon, Pa.—John H. Bessler has assigned to Thos. W. Miller and Chas. O. Bressler.

Nelsonville, Ohio.—The store of E. D. Warren has been closed by the sheriff, Mr. Warren having been missing for a number of days.

New York City, N. Y.—Anna C. Hamberger, No. 275 Eighth Avenue, has assigned to Alex. G. Menzies, without preferences.

Washington, Ia.—Schneider Bros. have assigned.

Recent Burglaries.

Drexel, Mo.—Drexel Hardware Co., loss $25.

Ennis, Tex.—J. Blakey & Co., loss $50.

Florence, Colo.—Julius McCandless, loss $50.

Grand Meadow, Minn.—John Hudson, loss $40.

Parxton, S. D.—Fullerton Lumber Co., loss $50.

Pierce City, Mo.—Patrick Ryan, loss $40.

Radcliffe, Ia.—J. L. Butterworth, loss $30.

Springfield, Mass.—J. Douglas Law, loss $100.

Westerly, R. I.—W. R. Sharpe, loss $100.

Recent Fires.

Ashley, Mich.—J. F. Bushe. Damage not stated.

Canton, Ohio.—C. C. Snyder. Damage, $50,000; insurance on stock and buildings, $43,000.

Keyport, N. J.—T. H. Roberts & Co. Damage, $15,000; insurance not stated.

Lindsey, Ohio.—O. Overmeyer, damage, $6000.

North Baltimore, Ohio.—Jeff. Richcreek. Damage $3000; much of the damage was caused by water.

Terre Haute, Ind.—Finkbiner & Duenweg. Damage, $3000 to $5000; insurance not stated.

Windsor, Ont.—Neveus, Clinton & Baxter. Damage, $25,000; insurance, $16,000.

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THE FULTON SIGN and PRICE MARKERS

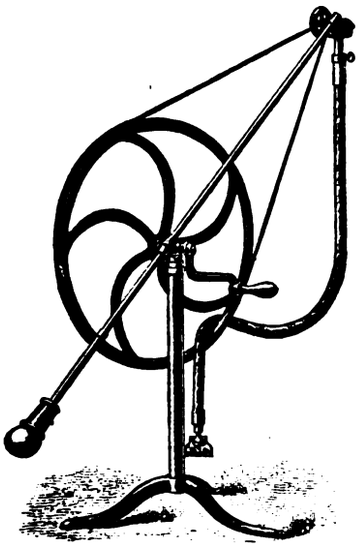
Are the best, most complete and cheapest outfits for Business men to make their own Show and Price Cards, to print Shelf Labels, mark Boxes, Barrels, etc., etc. There is in fact no business where they cannot be used to advantage. Newspapers are using them for their Bulletin Boards, Ministers for Church Notices. Theatres for Announcements, Restaurants for Bills of Fare, etc. Their price in comparison to their usefulness amounts to almost nothing; it saves the cost of Sign Painters and Ticket Writers. A Boy can do all the lettering required in the largest Department Store. They last a lifetime and can be used for every language. We have

50 DIFFERENT STYLES

to select from in sizes from ½ to 4-inch letters. For marking Boxes and Barrels for shipping, or labels, they are far superior to adjustable stencils; the work is done quicker and neater and without blurring, making it look as if printed on a printing press. Nearly 100,000 sets of the **Fulton Sign Marker** have been sold, and they are in use daily by all large wholesale and retail business houses in the United States. Goods can be bought direct from us, or through your nearest wholesale house. Complete catalogues in English and Spanish sent free. Address

THE FULTON STAMP WORKS, 22 Beekman Street, NEW YORK.

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OVER 2000 MACHINES SOLD IN SIX MONTHS.

1000 Machines and 10,000 Cutters in Stock.

Highest Prize at World's Fair. The original and only absolutely flexible shaft on the market. . . . . .

ADVANCE ORDER FOR

3000 IN EUROPE ALONE.

. . CATALOGUE SENT FREE TO ALL . .

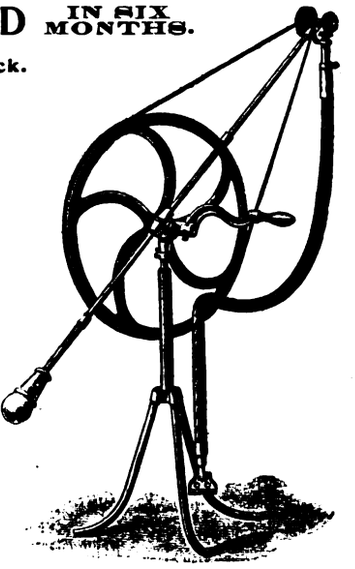
SHOWING OUR DIFFERENT STYLES OF

Steam, Electric, Foot and Hand Power

HORSE CLIPPING MACHINES.

Gillette Clipping Machine Co.,

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"The SUCCESS OF THE PHILADELPHIA SHOW" . . .

WAS THE

OSTERMAN BICYCLE BELL.

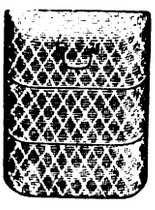
Rings loud and clear like an electric bell.
The faster the speed the sharper the alarm.
Rings on the slightest pressure of the button.
Needs no care.
Never wears out.
Quickly adjusted to any wheel.
Strong, Simple.

AGENTS WANTED IN EVERY TOWN.

MADE ONLY BY

JOSEPH OSTERMAN & CO.,

4411 Main St., MANAYUNK, PA.



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The Largest Manufacturers of Lined

SPARK GUARDS

In the United States. . .

Dow Wire Works Co.,
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DYER & DRISCOLL,
PATENT SOLICITORS, 31 Nassau St., N. Y.

have done all my patent soliciting work, both for this and foreign countries continuously for the past fourteen years.

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KEARNEY & FOOT CO.

100-102 Reade Street, NEW YORK.

The BEST Drill on the market.

AMES SWORD CO.,

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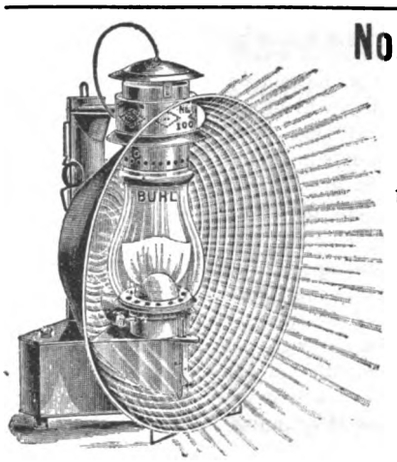


OUR SPECIALTIES: **PERFECTION PADLOCKS,**

All sizes, ½ inch to 2½ inches.

PROTECTOR REVOLVERS, THE GREATEST NOVELTY OF THE AGE.

Compressed Seam Fork Sides and Handle Bars. *CORRESPONDENCE SOLICITED.*



No. 100 Buhl Tubular Headlight.

This remarkable Lantern will burn 48 Hours in Wind or Rain, on Land or Water. . . . .

16-inch Hood, 7-inch Nickeled Brass Reflector.

6 IN A CASE.

LIST, PER DOZ., $30.00.

BUY BUHL LANTERNS BURN BEST
BUHL STAMPING CO. DETROIT MICH.

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Appleton, Wis.—The Appleton Ventilated Woodenware Co. has been incorporated with a capital stock of $10,000. The incorporators are George McNamee, J. A. Hawes, and E. G. Jones. They have purchased the plant of the Pratt & Brown Mfg. Co. of Lansing, Mich., have reorganized under the new name, and the machinery is being prepared for shipment to this city.

Chicago, Ill.—Parkhurst & Wilkinson Co. of Chicago, capital stock $300,000 has been incorporated to manufacture, purchase and sell steel, iron, Hardware, wagon material, mining supplies, etc. Incorporators, Arthur J. Eaton, Anson H. Watson and Henry J. Warner.

Des Moines, Ia.—Cruzan & Co., extensive manufacturers of shovel boards or end gates for wagons, and dealers in agricultural implements, recently of Decatur, Ill., have removed to this city and leased one of the three story brick warehouses of S. A. Robertson on Fifth Street, near the Rock Island tracks, which Mr. Cruzan is fitting up for occupancy for his business. In conversation with a reporter recently, Mr. Cruzan stated that the company manufactured 20,000 shovel boards at Decatur last year, but that he had removed the factory to this city and would begin their manufacture here as soon as he can get the machinery in operation.

Gainesville, Ga.—The car factory is an assured success. Enough stock has been subscribed and the machinery will be ordered in a few days. Besides manufacturing refrigerator car doors, express refrigerator cars, etc., the company will make axe handles, baseball bats, and other wooden articles. They will give employment to many men, and will place much money in circulation.

Florence, N. Y.—A representative of E. B. Estes & Son of New York, one of the largest dealers of wood-turned goods in the world, has been in town and made a fifteen-year contract with a company to be organized to manufacture woodenware. It is understood that about forty hands will be employed. Part of the machinery has arrived, and it is expected that the mill will be in operation within sixty days.

New York, N. Y.—Pond Seal Lock Co. of New York City, has been incorporated to manufacture seal padlocks; capital stock, $25,000; directors, Alexander McNeill of New York City, Nathan C. Pond and Louis K. Pond of Port Chester, Westchester County.

San Francisco, Cal.—The Simpson Brush & Broom Co. have been incorporated, principal place of business San Francisco, capital stock $100,000, C. L. Ebner, A. B. Smith, J. S. Mellon, J. Kelbor and W. G. Wood of San Francisco, are directors.

Warren, Mass.—An effort is being made to organize the Warren Specialty Mfg. Co., for the manufacture of Hardware specialties and several valuable patents.

Winchester, Mass.—A certificate of the organization of the Highland Mfg. Co. has been filed in the State secretary's office. The company has a capital of $500 in 20 shares of $25 each. The subscribers are: S. G. Howd, W. I. Sparks, W. L. Curtiss, James F. Rowley and J. E. Larkin, all of Winsted.

Improved Conditions.

Allentown, Pa.—By a majority vote of the stockholders recently, the Allentown Hardware Works decided to issue 240 shares of common stock, par value of $50 each, as preferred stock The money will be applied to working capital in order to introduce the manufacture of spindle knobs.

Columbus, Ohio.—The Davis & Egan Machine Tool Co. recently increased its capital stock from $100,000 to $500,000.

Fairhaven, Mass.—The tack factory at this place is running full time. Some of the machines that were received from Whitman have been operated for some time by Benjamin Battles, who formerly ran the shoe nail machines of the American Tack Co., but these were taken to Taunton; the tide seems now to have turned Fairhavenward, and Mr. Battles finds pleasure again in operating shoe-nail machines. Recently a car load of tack machines was received at the depot, having been shipped from Whitman to be placed in the works here. It has been decided to remove all of the machinery from the Dunbar, Hobart & Co. factory, Taunton, which factory was leased for ten years by the Atlas Tack Co. The trustees of the reorganized company decided to terminate the lease and remove the machinery, which is owned by the company.

Galion, Ohio.—The strike of the molders in the Born Range Works, which affected 130 men, has been settled by E. J. Denney, secretary of the Iron Moulders' Union of North America. Mr. Denny came here a short time ago to investigate the trouble, and soon gave out a statement that the men were wrong, and ordered them back to work. The works have resumed.

Louisville, Ky.—B. F. Avery & Sons, the plow manufacturers at Fifteenth and Main Streets, have notified their employes who were laid off several weeks ago, to report for work at the factory. It is understood that 700 men will be given steady employment. An addition is being built to one of the departments in which the number of laborers will be greatly increased. The machinery in several departments of the plant has already been started.

Indianapolis, Ind.—A. A. Barnes, proprietor of the Udell woodenware works, says that in two weeks he has had more orders for the goods they manufacture than in any two months in the last two years. The works, which employ nearly two hundred people, are running on full time and full-handed. The weekly pay rolls of the Parry Mfg. Co. are now the largest since the works were established, and while working the full complement of men and in some departments overtime, the company is behind in filling orders.

Meriden, Conn.—The hollow-ware department at the Britannia shop started up recently and will run eight hours a day. The outlook for a good fall trade is very promising. All the departments are now running at this factory. The Wilcox Silver Plate Co.'s factory started up also on eight hours. The glass department at the Meriden Silver Plate Co.'s plant is running ten hours a day. The rest of the factory is running eight hours a day. The Silver City Plate Co.'s works are running on full time.

Pawtucket, R. I.—As another evidence of the tendency of trade to improve, a large addition is being made to the works of the Pawtucket Mfg. Co. on Pine Street. The works are commonly known as "Webb's bolt shop," Mr. Webb being the proprietor of the extensive plant. Owing to the demand upon the works it has been necessary to erect an addition which will be located in the rear of the building on Pine Street It will be a two-story building, 64x61 feet.

Racine, Wis.—The J. I. Case Plow Co. reports that orders are coming in so fast that they cannot be filled. The factory is running ten hours a day, and with an increased number of hands, and prospects of an immense fall trade were never better.

Rochester, N. Y.—The Olive Stove Co. of this place, has let the contract for an addition. The improvement is made necessary by the largely increased business of the firm. which is a co-operative concern and has run steadily through the business depression.

Salem, Ohio.—J. Woodruff & Sons and the Victor Stove Works resumed operations recently running full force and full time in all departments, after running for some months on short time and but few men employed. It is understood that enough orders are on hand at both establishments to keep them busy for some time. This fact, in connection with the generally improved trade in the stove line, will probably keep them at work on steady time for some months at least.

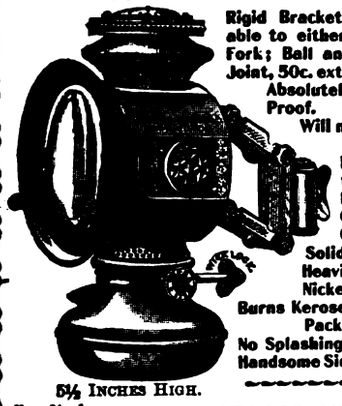
Utica, N. Y.—T. H. Russell has purchased the property of the S. C. Millard Mfg. Co. at Clayville, and is in possession. At this manufactory, which is well known and which was prominent in industrial circles before the war, hoes, forks and rakes are manufactured. Mr. Russell has also purchased a controlling interest in the Utica Tool Co., the plant of which is located in Washington Mills. He will conduct both enterprises. Mr. Russell, whose home is in Nashville, Tenn., came to this section February 15th. He began the management of the Utica Tool Co. He is a keen, shrewd, energetic business man of middle age, and has been twenty-two years in the business. He resides in Utica.

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THE BANNER

Is the Cycle Lamp for '97.

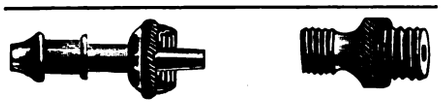
None as handsome, as practical, nor as thoroughly and honestly made. Throws a powerful, broad light, having **a 3-inch optical ground double convex lens.** No lamp so easily cleaned. Has removable top burner and reflector, removable and **reversible oil pot.** The only lamp made with a positive wick-locking device—it acts on the ratchet. Your dealer should have them; until he has will send, carriage paid, for **$3.00,** to any part of the United States.



Rigid Bracket, adjustable to either Post or Fork; Ball and Socket Joint, 50c. extra.
Absolutely Wind Proof.
Will not Jolt Out.
No Solder to Melt.
Fills on Outside Oil Fount.
Solid Brass, Heavily Nickeled.
Burns Kerosene in Packed Fount.
No Splashing.
Handsome Side Lights.

5½ INCHES HIGH.

New York. Boston. Chicago. **PLUME & ATWOOD MFG. CO.**
FACTORIES: Waterbury and Thomaston, Conn.



EAGLE

Bicycle Pump



MADE WELL!
SELLS WELL!
WEARS WELL!

Fills Tires Quicker Than Any Other Pump.

Connecting nipples all accurately threaded, and will fit all the well-known tires.

Write for Trade Prices
Special Inducements to the Jobbing Trade.

Henry Haas & Son,
551-553 West 35th St., NEW YORK.

JOB LOTS OF HARDWARE

I buy and sell in any quantity complete lines of **HARDWARE. MANUFACTURERS** having **JOB LOTS** will find me a ready purchaser. **RETAIL DEALERS** will find my prices lower than any house in the business. . . .

A. N. JACOB, 491-493 Broadway, NEW YORK.

Hastings & De Baun,

HARDWARE MANUFACTURERS' AGENTS,
124 Chambers St., New York.
NEW YORK OFFICE OF
THE PHOENIX HARDWARE MFG. CO.
MASON & PARKER. J. B. TATEM & SON.
THE BARNES TOOL CO. E. LOUD MFG. CO.

GEO. F. TAYLOR'S SONS,

80 Pine Street, New York.
FERTILIZER CHEMICALS and MATERIALS;
ALSO
BONE BLACK
For Tempering, Coloring and Filtering Purposes.



J Design.

Beauty is combined

with utility in Sargent's Hardware, and that is appreciated now-a-days. Handsome hardware adds much to the artistic finish of expensive woodwork; it is a pleasure to the eye and a comfort to those who use it. Live hardware dealers sell Sargent's Easy Spring Locks and Artistic Hardware.

Sargent & Company,
Makers of Fine Locks and Artistic Hardware,
New York; and New Haven, Conn.



A Great Seller!

At a Good Profit.

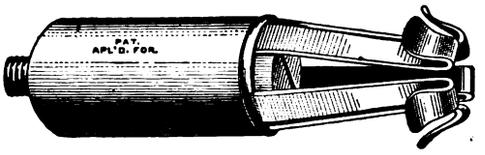
Pike's Quick Edge Pocket Knife Hones, in display box, a practical sharpener for knives and scissors.

Send for Prices.

Scythe Stones, Oil Stones, Razor Hones, Etc.

THE PIKE MFG. CO.,
Pike Station, N. H.

FITS ANY GAUGE.



Price, 75 cents.

THE
Favorite Gun Cleaner

Removes thoroughly all deposit from gun barrels without injury.

SEND FOR SAMPLE.

The Bridgeport Gun Implement Co., ***313-315 Broadway, New York City.***

"NO BETTER MEDIUM."

U. S. Mfg. Co., Fond du Lac, Wis. [*Cyclometers, Lamp Brackets.*]: Manufacturers of bicycles and bicycle sundries find their best customers among the Hardware trade. To reach this trade, we know of no better advertising medium than HARDWARE. Our adververtising in HARDWARE has been of an effective character.

COULD NOT KEEP HOUSE WITHOUT IT.

Sickels, Preston & Nutting Co., Davenport, Iowa. [*Wholesale Hardware*]: We would not know how to keep house without HARDWARE. The review of the Hardware markets, trade reports and editorials are frequently read before letters are opened that are received in the same mail with HARDWARE.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Chicago, Ill.—The Bicycle Mfg. Co. has been incorporated by D. D. Emanual, T. E. Fraher and Hamilton R. Johnstone. Capital stock $25,000.

Cleveland, Ohio.—The Grant Ball Co. has been incorporated by J. R. Garfield, H. A. Garfield, Robert H. Grant, Frank J. Pool, and M. J. Fox to make and deal in balls, ball-bearings, etc. Capital stock, $100.000.

Jersey City, N. J.—The Owen Cycle Co. has been incorporated by Geo. Stockbridge and Willis Fowler of New York, and R. W. Pope of Elizabeth, to manufacture and sell bicycles. Capital stock $10,000.

Meriden, Conn.—Ives, Upham & Rand have been appointed agents in this city for the Pope Mfg. Co. of Hartford.

Toronto, Ont.—The Rational Bicycle Seat Co. of Toronto, limited, has been incorporated by F. W. Scott, A. P. Murray, J. G. Merick and others. Capital stock $45,000.

Changes and Improvements.

Atlanta, Ga.—Willingham & Castle, reported to have sold out.

Boonton, N. J.—The Bicycle Electric Lamp Co. is a new establishment in this place. It will employ about twenty-five hands.

Dover, N. J.—The Allen Bicycle Co. has added a bicycle repair shop to their business. Calvin Lawrence, who was formerly with the Liberty Bicycle Co. is in charge.

Fralingham, Mass.—Merrill & Ridlon, reported to have dissolved partnership.

Freehold, N. J.—The Zimmerman Bicycle factory at this place which cost the company $27,000 has been sold to a party of Freehold men for about one-half that sum. It is intended to continue business and about twenty hands will be employed.

Hackensack, N. J.—Kerby & Cane reported to have dissolved partnership.

Hagerstown, Md.—The Crawford Bicycle Works will be in full blast by September 1st. There will be 500 men employed, while later in the season they will have use for 800. Chainless bicycles and motor cycles will be built this season together with the regular Crawford wheels.

Hartford, Conn.—The Veeder Mfg. Co., manufacturers of bicycle cyclometers, etc., will erect a new factory on Sargeant Street, corner of Garden. It is expected that the new plant will be completed by September 1st.

Lebanon, N. H.— Clapp Bros., reported to have dissolved. Charles Clapp continues.

Northampton, Mass.—The Northampton Cycle Co. are enlarging their bicycle factory.

Plainfield, N. J.—The Bard Cycle Co. has elected Geo. L. Colgate president, and G. W. Wrennick secretary. The company was recently incorporated with a capital stock of $5000 of which $2500 is paid in. Its specialty is the Keating bicycle.

Thompsonville, Conn.—The Lozier Mfg. Co. has started up its factory after a shut down of four weeks. For the present only a part of the hands will be employed. Work on next year's wheels will be pushed rapidly and it is expected that all the departments will be running in a few weeks.

Toledo, Ohio.—The Yost Mfg. Co., succeeded by J. L. Yost.

Utica, N. Y.—The Fisher Bicycle Works at Fort Plain which were closed July 12th, upon the owner giving a bill of sale, have been removed to this city, and will become permanently located. Bicycles and knitting machines will be manufactured and forty men employed. The name of the bicycle to be produced has not been settled upon. Inducements to locate were offered from Hackensack, but the propositions from Utica were more favorable.

Waterbury, Conn.—E. H. Gaylord & Son are advertising to close out.

Westbrook, Me.—Dr. C. R. Anderson has sold out his share of the bicycle business to his partner, City Marshall Knight.

Whittier, Col.—Butterfield & Coryell, reported to have been succeeded by F. Coryell.

Recent Embarrassments.

Amesbury, Mass.—Eastern Cycle Mfg. Co. reported to have made an assignment.

Avoca, N. Y.—The Schad Wheel Co. is in the hands of the sheriff under six judgments aggregating $10,718.57 in favor of two banks of Bath, N. Y. The company has been located in Avoca for some years past and has been considered as doing a prosperous business. It was one of the main industries of the village and if the present difficulties of the corporation indicate a suspension, it will be a serious blow to the prosperity of the place.

Beaver Falls, Pa.—The Morado Bicycle Co. is in the possession of the sheriff under executions amounting to $10,000.

Chicago, Ill.—The Chicago Combination Machine Co. has assigned to Roscoe Fulghum. The firm has carried on business at No. 28 W. Washington Street for about three years, dealing in and manufacturing bicycling supplies. Liabilities are stated at $15,000 while assets are placed at $10,000.

Cincinnati, Ohio.—Shaw & Davies are reported to have made an assignment.

Clinton, Ia.—H. J. Rumble & Sons have made an assignment. Liabilities, $2132 24; assets, $4576.44.

Ft. Wayne, Ind.—The Randall Cycle Co. are in the hands of receiver E. C. Miller, to protect creditors to the amount of $12,000. The liabilities will probably reach $15,000; the assets are slightly less.

Grand Rapids, Mich.—The Hamilton-Kenwood Cycle Co. have asked for a receiver. The company was organized one year ago with $200,000 capital, and the inventory shows assets $171,000 and liabilities $101,070.

Ingersoll, Ont.—F. Bowman & Co. have assigned to James Brady.

Lancaster, Pa.—Bard & McElroy, dealers in bicycles, dry goods, etc., closed by the sheriff on executions of $9000.

Louisville, Ky.—Louisville Rubber Co. reported to have made an assignment.

Meriden, Conn.—Irving W. Wilcox reported to have made an assignment.

Milwaukee, Wis.—J. A. Rappel reported to have made an assignment.

Milwaukee, Wis.—The Juneau Cycle Mfg. Co. has assigned to Edward N. Roth, who is one of the oldest cycle dealers in the city. The embarrassment of the company promises to be but temporary, as the collectable outstanding accounts alone are estimated to amount to more than twice the liabilities, in addition to which there is a considerable amount of stock and machinery.

Milwaukee, Wis.—The Wisconsin International Water Cycle Co., application for a receiver has been made. John N. Salentine, president of the company, has been appointed receiver.

Montreal, Can.—Alexander & Leffevre have assigned to Kent & Torcotte. Liabilities about $800; assets not given.

New York, N. Y.—Elmwood Cycle Co., No. 55 Park Place, in the hands of receiver Frank S. Parmelee who was treasurer and general manager. The liabilities are $4300; assets $922. The company was incorporated on December 10, 1895, with a capital stock of $12,000.

New York, N. Y.—The Weaver Cycle Material Co., No. 956 Eighth Avenue, have been attached by the sheriff. That official found he could do nothing as there had been a bill of sale. The business was started three years ago and incorporated on February 3, 1897, with a capital stock of $100,000. The bill of sale was given to J. A. Weaver for $12,629. Thos. F. Kennedy was president of the company,

Philadelphia, Pa.—The F. M. Dampman Cycle Co., No. 44 N. 10th Street, has assigned, giving preference to Rouse, Hazard & Co., Peoria, Ill., and the Kirk, Young Co. of Toledo, Ohio, the former company being their largest creditor, having a claim of $10,000. The amount of liabilities or assets has not been given.

Rochester, N. Y.—The Punnett Cycle Mfg. Co., Frank J. Hone appointed receiver of all the property, assets and effects of the company for the benefit of the creditors of said company and of the stockholders thereof.

Stamford, Conn.—Seeley & Adams have made an assignment. They have a branch store at Portchester, N. Y.

Toronto, Ont.—Cutler Bros. assigned.

Toronto, Ont.—Ranger Cycle Co. of Toronto, limited, assigned.

Toronto, Ont.—The New Barnes Cycle Co. of Woodstock, statement shows liabilities $59,300 and assets $59,800. E. W. Nesbitt has been appointed permanent liquidator by the creditors. He states that there has been no application for the purchase of the estate.

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STERLING BELLS.

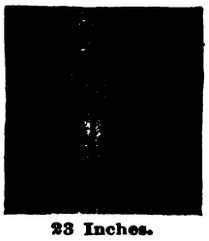


One Best THE Sterling.

Bells of all Description.
Send for Catalogue.

N. N. HILL BRASS CO.,
East Hampton, Conn.

Only $1.17 each net
IN DOZEN LOTS.



Folding Bicycle Stands

23 Inches.
Holds Six Wheels.

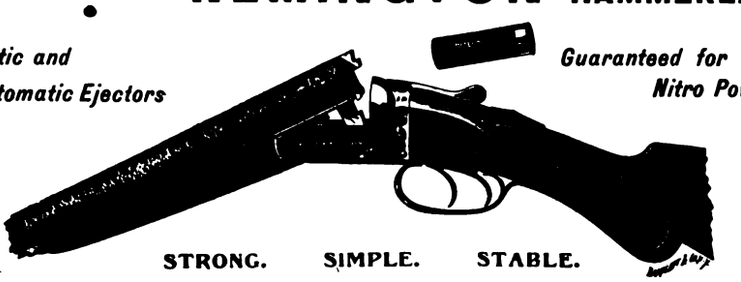
Wide Tops for Advertising.

FRED. HAWLEY,
40 Gold St., New York City.

Is This Name Familiar?

REMINGTON HAMMERLESS.

Automatic and Non-Automatic Ejectors

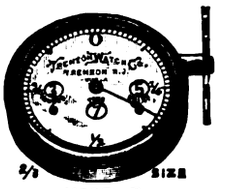


Guaranteed for Nitro Powders.

STRONG. SIMPLE. STABLE.

You need a good gun for your Fall shooting. SEND FOR CATALOGUE.

THE REMINGTON ARMS CO.,
313-315 Broadway New York. ILION, N. Y.



MODEL F.

RETAIL DEALERS

Should ask their jobbers for revised prices on Model F—1,000 mile "Midget" Cyclometers. Registers 1,000 miles and repeats. ***Price $1.00.*** You can make money on them, as they out-sell larger models.

TRENTON WATCH CO.,
Trenton, N. J., U. S. A.

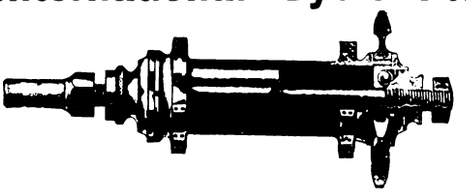
THE "SPARK" '97 MODEL

An up-to-date machine. **List, $60.** Our specialty "One Wheel," "Best Grade," at "One Price" To all, **$60.** They are handsome, well built, finished in elegant taste and strictly up with the times. If you want a ready seller, better write us.



CANTON CYCLE MFG. CO.,
Canton, Ohio.

International Cycle Fittings Co.



EVERYTHING FOR A WHEEL.

70 & 72 READE ST., NEW YORK, U. S. A.

The Bicycle Rider Made Happy By Using

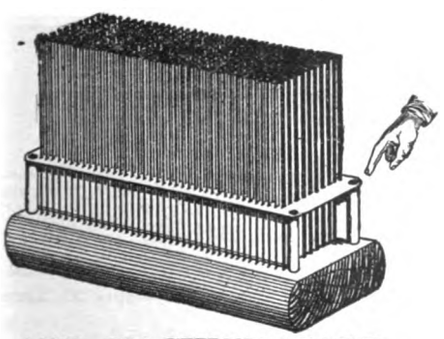
THE STODDER PUNCTURELESS TIRE.

Leave your Repair Kit at home.

It is Puncture Proof, Light, Durable Resilient and Speedy. . . . No Steel Wire. No Leather Strips.

STODDER PUNCTURELESS TIRE CO.,
54 WARREN STREET, NEW YORK.

"IRON CLAD."



ALL MACHINE MADE.

SEE

THIS STRUCTURE? WHAT'S IT FOR?

Well, it gives surprising durability!

Our goods are Guaranteed unsurpassed in Durability, Workmanship, Material.

Their elegance attracts the eye at once.

. . . *FOR FOUNDRIES, PAINTERS, ROOFERS, ETC.* .

SATISFACTION GUARANTEED OR MONEY BACK.

THE BUCHEL BRUSH NOVELTY CO.,
Mention "HARDWARE." NEW ORLEANS, LA.

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CONDENSED BUSINESS WISDOM.

"THE BEST OF ITS CLASS."

John M. Holladay, Holladay, Va.: HARDWARE is so nicely gotten up, and so well edited, giving such a variety of information, yet costs so little, that I cannot see how any dealer in Hardware can afford to be without it. It is the best paper of its class.

"A HELP TO OUR BUSINESS."

N. G. Bickford & Son, Mount Holly, N. J.: Please send us HARDWARE for one year from January 1st. Enclosed you will find the price of subscription. After examining the copy sent us we find the paper will be a help in our business.

"THE MOST HELPFUL AID."

Pike Mfg. Co., Pike Station, N. H. [*Whetstones, Oil Stones, etc.*]: We like to keep our name and our wares before the public in a modest way. We have found HARDWARE the most helpful aid toward accomplishing that purpose.

"VERY USEFUL TO US."

J. A. Ross & Co., Boston, Mass.: We find HARDWARE very useful to us, as well as interesting. Considering the quantity and quality of matter in each issue, the subscription price is very low for a semi-monthly magazine.

"THE BEST THING OF ITS KIND."

W. L. L. Morrow, Purdy, Mo.: I regard HARDWARE as the very best thing of its kind I have ever seen, and really at the low price of subscription. I cannot see why it is not in the hands of every dealer in Hardware.

"SUBSCRIBE WITH PLEASURE."

Brown & Gilbert, Boston, Mass.: Please find enclosed $1 in payment for HARDWARE. We have found HARDWARE very useful and instructive, and subscribe for the coming year with pleasure.

"IS JUST RIGHT."

Alling & Lodge, Madison, Ind.: We enclose $1 to pay for our subscription to HARDWARE for one year from date. Your paper is just right; don't make it too big so one can't find anything in it.

"WORTH DOLLARS TO DEALERS."

J. T Morris Cleveland, Ohio: HARDWARE is a bright, spicy journal and I look forward to its arrival as one of the family. Th Prices Current quoted by it are worth dollars to any dealer.

"OF INTEREST TO LIVE DEALERS."

Van Voorhis & McNair, Crawford, Neb.: We like the journal very much. It always comes to our desk full of bright, sound matter, that cannot but be of interest to all good live dealers

"IN YOUR COLUMNS FROM THE FIRST."

Van Wagoner & Williams Hardware Co., New York and Cleveland. [*Hinges, Anvils, etc.*]: Having been represented in your columns almost from the first issue, we have a feeling of pride and pleasure in your achievements.

"ADVERTISEMENTS HAVE GIVEN RESULTS.

W. C. Heller & Co., Montclair, N. J. [*Mail Boxes, Grips, Plows, etc.*]. Our advertisements in your columns have given results that assure us that they are closely watched by the trade.

"BEYOND CRITICISM."

Wm. Jessop & Sons, New York. [*Steel manufacturers*]: Another five years as proportionately successful as HARDWARE's last will place it almost beyond the criticism of friends or competitors.

"MUCH PLEASED WITH IT."

Chas. N. Vittum, Laconia, N. H.: I am pleased to be one of your subscribers, as I am very much pleased with HARDWARE. I think it a very useful and interesting journal.

"VERY MUCH PLEASED."

The Banks Hardware Co., Henderson, Ky.: Enclosed find Post Office order for $1, our subscription to HARDWARE. We are very much pleased with the publication.

"A VALUABLE ADVERTISING MEDIUM."

Harvey Hubbell, Bridgeport, Conn. [*Machinery and Tools*]: We are very much pleased with your paper, and consider it a valuable advertising medium.

"JUST THE PAPER RETAILERS WANT."

Henry E. P. Pritchard, Philadelphia, Pa.: Enclosed find $1 for which please send me HARDWARE for one year. It's just the paper retailers want.

"EXPERIENCE MOST SATISFACTORY."

Partrick & Carter Co., Philadelphia, Pa. [*Electrical Goods*]: Our experience as advertisers with you has been of a most satisfactory character.

"WORTH WHAT IT COSTS."

Spence & Co., Keene, N. H.: Enclosed find $1 to pay for HARDWARE for one year. We think it well worth what it costs.

"WELL PLEASED WITH IT."

Jacob Schmitt, Louisville, Ky.: I am very well pleased with your paper, and find some very interesting reading in it.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

In Our Line of



Elevators & Hoists

We have a Hand Elevator especially adapted for use in stores, warehouses, etc., and we are sole manufacturers of

The **Philadelphia Dumbwaiter.**

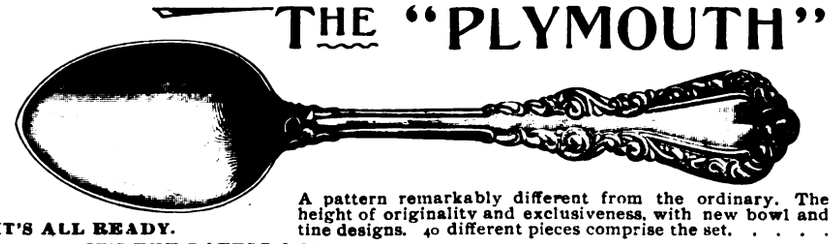
Send for catalogue. . .

Energy Manufacturing Co.,

411 Cherry Street,
PHILADELPHIA, PA.



THE "PLYMOUTH"



IT'S ALL READY.
IT'S THE LATEST OUT.
IT'S MADE ONLY IN THE

A pattern remarkably different from the ordinary. The height of originality and exclusiveness, with new bowl and tine designs. 40 different pieces comprise the set. . . . .

ROGERS' "ANCHOR" BRAND SILVER PLATED WARE

Factories:
HARTFORD, CONN.
NORWICH, CONN.
WALLINGFORD, CONN.
TAUNTON, MASS.

AND BY THE

WM. ROGERS MFG. CO.,

Office and Salesrooms: HARTFORD, CONN.

HOLMES & EDWARDS



Would like your business.

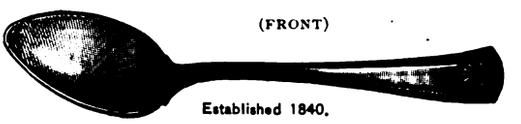




Their goods sell
QUICK.
..THEY LAST FOR YEARS..
YOU
Can Guarantee Them.

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

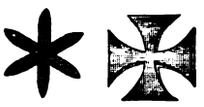
L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons

Write for Catalogue and Prices.

CORPORATE MARK,



JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States.

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD
PEUGEOT FRERES, COATES CLIPPER MFG. CO.	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of the following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO. WALTHAM CUTLERY CO. ALEXANDER FRAZER & CO., JONES & CO.

"WE ARE RECEIVING GOOD RESULTS."

Clayton & Lambert Mfg. Co., Ypsilanti, Mich. [*Gasoline Fire Pots and Paint Burners.*] We are receiving good results from the advertisement which is running in your paper, and believe the service which you are giving us, is extra good. We trust that our relationship for the coming year will be as pleasant and profitable as have those of the past, and feel very confident that it will.

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JOHNSTON'S LIQUID GLUE FOR ALL USES.
1 oz. bottles per gro. $5.00
2 oz. bottles per gro. $6.00
JOHNSTON'S IMPERIAL CARPENTERS' PENCILS.
OVAL, BEVELED, TRILATERAL, HEXAGON.
—HIGH GRADE.—
Price per gro. $5.00.
J. D. JOHNSTON, Newport, R. I.


Star ★ Lathes
Foot power
Screw cutting
Automatic
Cross feed
9 and 11-inch Swing.
New and Original Features.
Send for Catalogue B.
SENECA FALLS MFG. COMPANY,
334 Water St., Seneca Falls, N.Y.

If you would use only the best use
Barnes National Writing Ink and Mucilage.
BARNES NATL. INK CO.,
NEW YORK & PHILADELPHIA.

PRIEST'S CLIPPERS


Largest Variety.
Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

—ESTABLISHED IN 1874.—
ROCKFORD TACK COMPANY, ROCKFORD, ILL.
MANUFACTURERS OF
HIGH GRADE "Hardware" List of Tacks, Nails, Brads &c.
Also a full line of Shoe Finder's Tacks and Nails.
—Orders Solicited.—
Prices and terms quoted promptly on application.

HOUSEFURNISHING HARDWARE & HARDWARE SPECIALTIES.

Basting Spoons, Cake Turners, Mincing Knives, Ice Tools, Tack and Nail Hammers, Hatchets, &c. Champion Cross Cut Saw Handles, &c.
KNAPP & PRATT MFG. CO.,
GENEVA, OHIO.

What Every Family Needs.
Pure Washed Filteration Quartz, free from all mineral impurities. Can be used in any filter or through cloth. . . Sold only by
The New England Filteration Co.,
564 Washington Street, Boston.

PATENT FOR SALE of a valuable Tinware Specialty already favorably before the trade. Offers wanted. Sample on application. Address
HOT COFFEE DINNER PAIL CO.,
Newark, Wayne Co., N. Y

. . . HEARTILY RECOMMEND "HARDWARE."
E. T. Barnum, Detroit, Mich. [*Wire Goods*]: We heartily recommend HARDWARE to those desirous of reaching the largest number of dealers.

BEEN WITH YOU FROM THE BEGINNING.
Union Metallic Cartridge Co., New York. [Ammunition]: We have been with HARDWARE as advertisers from the beginning and expect to continue.

One of the Best Mediums Known.
C. T. Williamson Wire Novelty Co., Newark, N. J. [*Corkscrews*]: To present new goods to the trade we consider HARDWARE one of the best mediums known.

ON OUR AD. LIST AS ONE OF THE BEST.
Troy Nickel Works, Troy, N. Y. [Alaska Stove Hardware]: HARDWARE is on our advertising list as one of the best. We will be glad to keep you in this position.

Hardwaremen's Exchange.

Notices of ***HELP WANTED*** *or* ***SITUATIONS WANTED*** *will be inserted in this column free of charge. Should not exceed Four Lines.*

ALL OTHER NOTICES, *twenty-five cents per line.*

Help Wanted.

WE have a position now open to a young man of 26 to 28 years of age. Must be capableof discounting and billing up goods, running cash ooks, and meeting store trade; with prospect of going on road. Will ay from $12 to $15 to start. Address A. P., care HARDWARE, No. 43 Chambers Street, New York City.

BOY wanted, about 15 years old; must have had experience in a retail Hardware store, be quick and bright; address by letter only, stating age, references, and salary to start. Address HARDWARE STORE, No. 2195½ Third Avenue, New York City.

WANTED—First-class traveling salesman to canvass manutacturers for the sale of Hardware, factory and mill supplies. Good salary will be paid to the right man. Address MANUFACTURER, care HARDWARE Publishing Co., No. 143 Chambers Street, New York.

WANTED resident agents in all cities not already covered, to sell our National Feed Boxes. This article is a startling success and has no competition. Active canvassers can make good profits. Address NATIONAL FEED BOX CO, No. 137 McGraw Building, Detroit, Mich.

A FACTORY superintendent wanted—A thorough mechanic with $3000 to $5000, must be a good Tool and Die maker who is able to take full charge of a Specialty Hardware and Stamping Factory; to such a man a good opportunity is offered. State experience and references. None need apply knowing they cannot fill requirements. Address HENRY BERG, No. 375 Kennard Street. Cleveland, Ohio

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

POSITION wanted by thoroughly experienced man as Hardware sales man on the road. Large acquaintance in the trade. E. A. S., care HARDWARE, No 143 Chambers Street, New York

POSITION wanted by a man 33 years of age, seven years' experience with Hibbard Spencer Bartten, & Co., Chicago, in general office work; understands bookkeeping thoroughly and good at figuring of any kind. Salary moderate, reference the best. A. E., care HARDWARE, No. 143 Chambers Street. New York.

POSITION wanted by thoroughly experienced man either as clerk or salesman; first-class references. Address G. B. W., No. 28 South Fifth Avenue, Mount Vernon, N. Y.

ADVERTISING manager and writer of ability and experience, position as advertising manager of general or special line. Mail orders a specialty. Is willing to do other work in conjunction, if desired. Address WIMBROUGH, No. 638 Bourse Building, Philadelphia, Pa.

YOUNG man 30 years of age wants position in store or road. Nine years experience in Hardware, stoves and hot air furnaces. Can figure estimates from plans and specifications. Good bookkeeper. Fine penman. A No. 1 reference as to honesty, sobriety, etc. Address LOCK BOX 34, Jeannette, Pa.

POSITION wanted by a practical man, who has held positions as tool maker, foreman and assistant superintendent. Up on modern methods and able to get out work at lowest cost. Address FREMONT, care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL Hardwareman, 39 years, of long experience both wholesale and retail, able to act as salesman, stockkeeper, bookkeeper or manager, speaking and corresponding in English or German, desires a permanent position. Best references. Address CHARLES KREINBERG, No 108 East Houston Street, New York.

BY a practical mechanic, experienced in manufacturing patented and builders' Hardware and specialties, well up in modern shop methods. Competent to get out work cheap, etc. An expert workman at bench. and a hustler. Address EXPERT, No 3029 Poplar Avenue, Chicago, Ill.

WANTED—Situation as manager in small Hardware and repair store with a view to purchasing business on easy terms. Age, 26. Eight. years' experience in wholesaale and retail Hardware in New York City Address TAYLOR, care HARDWARE, No. 143 Chambers Street, New York.

THOROUGHLY experienced bookkeeper and office correspondent desires situation as accountant or cashier in a Hardware house. Highest references. Bond furnished if desired. Address COMPETENT, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted by a salesman well known among the Hardware, Housefurnishing goods and Department store trades; fifteen years' experience in New York and New England; best of references. Address H. N. P., care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED Hardware salesman with large acquaintance in the South, desires position as traveling salesman to represent Hardware manufacturer or commission house. Is a native of the South and has about twenty years' experience on the road. Would be willing to take other territory than the South. Unexceptionable reference given. Address "HARD WORKER," care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS


For fastening all kinds of structure to brick and stone work
Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue B. Toledo, Ohio.

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Situations Wanted.

POSITION by young man of ten years' experience in Hardware business. Have had experience both on road and in store J. E., care HARDWARE, No. 143 Chambers Street, New York.

BICYCLE repairer and builder wants position with Hardware store handling wheels to make repairs and build to order new wheels during the season; other odd jobs in winter. GEO. GOULD, No. 114 Freeport Street, Dorchester, Mass.

AMERICAN, 30 years old, would like to hear at once from manufacturer desiring Boston manager or representative. Advertiser is competent to buy or sell goods, is a practical bookkeeper and correspondent and understands advertising. Seven years' business experience and as traveling salesman. Reference as to character, ability and temperate habits. Address H. G. C., P. O. Box 2981, Boston, Mass.

WANTED—Young man, business correspondent and office manager of fifteen years' practice would accept position with manufacturing company or jobbing house. Or would manage branch office or travel in the far West and Pacific Coast. Address BUSINESS, Drawer No. 79 Milledgeville, Penn.

POSITION as salesman, indoor or road; Philadelphia, or New York and vicinity preferred; 20 years' experience Hardware and cutlery, eight on road; thoroughly posted. Address DAVID HUGHES, No. 1121 G Street, N E., Washington, D. C.

A STOVE and furnace pattern maker wishes a position as foreman with a stove or furnace company, in their pattern shop I am a thorough practical man, being foreman six years in a leading stove manufacturing and pattern company. Can do my own drafting, modeling, carving and designing. Am a fast, clean and artistic worker, having made some of the best stoves in the country. Can furnish best of reference as to ability, character, etc. Wages moderate for a steady position. Address A. D. SMITH, General Delivery, St. Louis, Mo.

BY a thorough Hardwareman, aged 32 years, 18 years' experience; situation as either in or outdoor salesman; can furnish best of references. Address G. B. W., No 28 South Fifth Avenue, Mount Vernon, N. Y.

RAZOR manufacturing foreman desires to change location; 21 years' experience. Any good cutlery concern wishing to make their own razors, might increase their profits by addressing RAZOR MAKER, care HARDWARE, No. 143 Chambers Street, New York.

A TRAVELING salesman with seven years experience in builders and general Hardware; can furnish A1 references as regards ability and integrity. Address A. P. H., care HARDWARE, No. 143 Chambers Street, New York.

A MIDDLE-AGED man of an extensive acquaintance in Eastern North Carolina wishes a position as a traveling salesman of Hardware; can command a good trade. Address L. R. LAND, Norfolk, Va.

WANTED—Situation as house or traveling salesman with Hardware or bicycle house. Fifteen years in retail Hardware and six with bicycles. Also have traveled a little. Can give best of reference. Address L. B. 84, Castile, N. Y.

WANTED—Thoroughly experienced bookkeeper, correspondent or office man desires position with responsible wholesale or retail firm. Address J. G. R., box No. 533, Lake Mills, Ia.

WANTED—By young man a position in wholesale or retail Hardware store, inside or outside. Have had six years' experience; can give all references; speak German and English. Address RELIABLE, care of HARDWARE, 143 Chambers Street, New York.

YOUNG man (28) practically experienced in manufacturing and selling metal ware, moderately familiar with important European languages, wants position with concern intending development of foreign trade Willing and able to do any other work in addition when desired. A. M. ENERGETIC, care HARDWARE, No. 143 Chambers Street, New York.

By a man who has had sixteen years' experience in the Hardware line. Knows entire business and acquainted with city trade and trade within a radius of 100 miles of New York City. Address, TROWEL, care HARDWARE, No. 143 Chambers Street, New York.

Position wanted by a young man 27 years of age, eight years' experience in wholesale Hardware business, Bicycle and Export business, as Stenographer and correspondent. Understands office work thoroughly; also book-keeping. Export business preferred. Address, K., care HARDWARE, No. 143 Chambers Street, New York.

DESIRED by a practical Hardwareman a permanent position with some live house. Understands thoroughly builders' Hardware and mechanics tools. Salary moderate; reference of the best. Address PRACTICAL, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted.—A salesman well known among the Hardware export, housefurnishing and department store trade is open for engagement. Address H, care of HARDWARE, No. 143 Chambers Street, New York

Side Line Wanted.

A TRAVELING salesman wishes a good side line for Illinois, Missouri, Iowa, Kentucky, Indiana and Ohio. Address I. N. D. care HARDWARE, No. 143 Chambers Street, New York.

A WELL-KNOWN firm, representing several factories as New York office, wishes to add at least three good lines either on commission or salary. Address MANUFACTURERS' AGENT, care HARDWARE, No. 143 Chambers Street, New York.

WANTED.—Side line, by salesman calling on the Hardware trade. Address M. A. N., care of HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

LIBERAL inducements offered to salesmen to sell Mica as a side line. Address MICA, care HARDWARE, No. 143 Chambers Street, New York City.

WE offer good side lines to those calling on Hardware, harness, carriage manufacturers and department stores, both wholesale and retail. Address FERNALD MFG. CO, North East, Pa.

MANUFACTURER of staple line of goods and Hardware specialties wants a representative in each of following cities: Montreal, Boston, Chicago, Detroit, St. Louis, Cleveland, New Orleans, Baltimore, Philadelphia, Atlanta, Kansas City, St. Paul; on commission basis. Address A. B. C., care HARDWARE, No. 143 Chambers Street, New York City.

SALESMEN wanted visiting the Hardware trade, to sell a high grade metal polish, Good inducements. Address CROSS, care T. J. Nay & Co., Nos. 18 and 20 Franklin Street, Brooklyn, N. Y.

PARKER'S Folding Bicycle Stand—a good seller and profitable. Address F. HAWLEY, No. 40 Gold Street, New York.

Tools Wanted.

COMPLETE set of new or second hand Tinners' Tools wanted, Stowe's make preferred; must be cheap. Address J. S. RIDENOUR, Jackson, Ohio.

A Business Wanted.

$200 and services to invest with machines for stitching, cutting and punching leather goods, also lathes and tools for mechanical repair work. Age, 26. Eight years' experience in wholesale and retail Hardware in New York. Will buy out small business or go in with partner. This is an opportunity to increase or sell your business. Address No. 410, care HARDWARE, No. 143 Chambers Street, New York,

For Sale.

$600, On terms to suit, will buy a Hardware store established twelve years. Investigate this bargain, has good jobbing trade. WOEHRLE, No. 2115 Third Avenue, New York City.

HALF interest in established paying Hardware business—land or money. Particulars to parties interested Address BUSINESS care HARDWARE, No. 143 Chambers Street New York.

$1000 Buys a well-established Hardware, commission and bicycle business with lease and store fixtures in one of the most desirable locations in the city; a great opportunity for a young man who is energetic and willing to work; reason for selling, change in business. Address B. P., No. 37 Pearl Street. Boston, Mass.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Agency Wanted.

SOME first class agencies in Hardware, Cutlery and Tools by a party who now has a prominent agency and has had twenty-five years' experience on the road. Address W. H. B., care HARDWARE, No. 143 Chambers Street. New York City.

GENTLEMAN with over twenty years' experience in general Hardware, wishes to correspond with some manufacturers with a view of representing them in the South. Address J. W. JOHNSON, Drawer, Birmingham, Ala.

WANTED by a young man with thirteen years experience, to represent some Horse Shoe or Horse-Shoe Nail Manufacturer or Manufacturers' Agent; can furnish best of reference. Address EXPERIENCE, care HARDWARE, No. 143 Chambers Street, New York.

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WRITE FOR QUOTATIONS



GET OUR PRICES BEFORE ORDERING.

Mention "Hardware."

PARKS STOVE POLISHING MITTEN.



Best Made.

Write for Prices.

PARKS & PARKS, TROY, N. Y.

Howard Iron Works,

BUFFALO, N. Y.

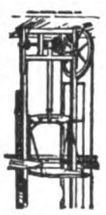
Manufacturers of

Bench Vises.

Price Lists sent on application.

Improved Quick and Easy Rising Steam, Electric and Hand Power

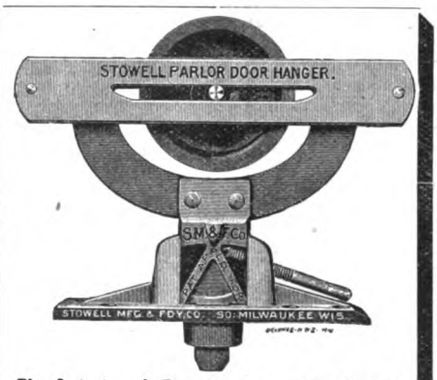
ELEVATORS



Send for Circulars.

Kimball Bros, Council Bluffs, Ia.

No. 1013 Ninth Street.



The Latest and Best Hanger on the Market.

Write for Prices.

STOWELL MFG. & FDRY. CO.,

SUCCESSORS TO

Moore Mfg. & Fdry. Co.,

South Milwaukee, Wis

Headquarters

FOR

ELECTRIC and PORTABLE

Watchman's Clocks.

Lowest Prices. Latest Improvements.

PATENTS 1886-1893.

Write for Price List and Card showing difference between N. Y. time and local time in all parts of the world



THE "ALERT."

This is a One (1) Station Watchman's Clock

Price, with 400 paper dials, complete, - $10.00

E. O. HAUSBURG, 41 Maiden Lane, New York.

A New Departure.



Hot Water Heater, combining Hot Water for Domestic purpose. With s x (6) of our special manifolds, one man will cut and threa i pipe and set up one in ten hours. Cheapest and best on earth.

Send for Catalogue. Agents Wanted.

The C. R. Meres Heater Mfg. Co.,

Norwalk, Ohio.



Smoke Pipe Register (Black) with **White Ceiling Plate.**

Indian Design Patented.

Showing Removable Cap for use when Smoke Pipe is taken down.

Please write for "BLUE BOOK FOR THE REGISTER TRADE."

Registers made of Ferrosteel are noted for Strength, High Finish and Excellent Workmanship.

The Ferrosteel Co., CLEVELAND, OHIO



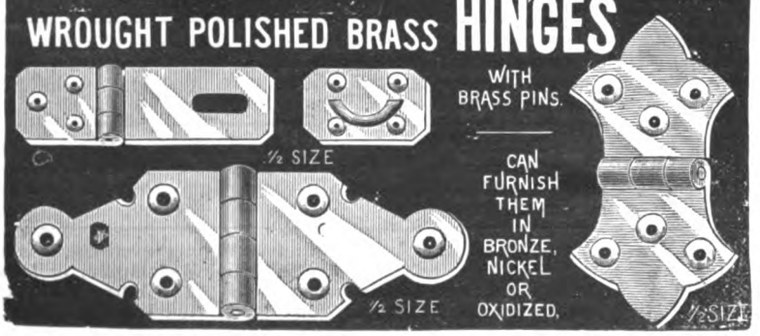
R. CHRISTENSEN, CABINET AND GENERAL HARDWARE.

88 CHAMBERS ST., NEW YORK.

MANUFACTURER OF

WROUGHT POLISHED BRASS HINGES

WITH BRASS PINS.



CAN FURNISH THEM IN BRONZE, NICKEL OR OXIDIZED.



COVERT MFG. CO.,

WEST TROY, N. Y.

Derby Snap,

With Plated, Rust Proof and Guarded Spring. . . .

"The latest and best."

For sale by Jobbers at Manfrs. prices.

EACH YEAR RECEIVED BETTER RESULTS.

Standard Tool Co., Cleveland, Ohio. [Tools]: During the five years we have had an advertisement in HARDWARE we have each year received better results.

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PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—

House Carpenters.....
Ship Carpenters..... 40&12½%
Railroad.....

Ammunition—

CAPS, PERCUSSION—₩ 1000—
M. C. Co. and Hicks, trimmed edge.....47 @ 50c
U. M. C. Co. and Hicks ground edge.....47 @ 50c
Musket, Waterproof, 1-10's..45 @ 50c
G. D.....38 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&5&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.. ...$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.10@1.15
B.B. Caps, Con. Ball, Swgd $1.75@1.80

PRIMERS—
Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....25&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.. .....65&2%

SHELLS, LOADED—
With Black Powder...40&10&10&5%
With Nitro Powd'r.40&10&10&10&5%

GUN WADS—₩ 1000—
B.E., 11 up.60c...B.E., 9&10...70c
B.E., 8.....80c...B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50...P.E., 7.....1.50
} 25%

SHOT—
Drop Shot, sizes smaller than B, 25-₤ bags ₩ bag.....$1.25
Drop Shot, sizes smaller than B, 5-₤ bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-₤ bags, ₩ bag.....$1.50
Drop Shot, B and larger sizes, 5-₤ bags, ₩ bag .....$ .35
Buck and Chilled Shot, 25-₤ bags, ₩ bag.....$1.50
Buck and Chilled Shot, 5-₤ bags, ₩ bag.....$ .35
Dust Shot, 25-₤ bags, ₩ bag....$2.00
Dust Shot, 5-₤ bags, ₩ bag ....$ .50
Jobbers frequently deduct 5@10 cents ₩ bag.

POWDER—
Laflin & Rand:
Orange Rifle ex., kegs 25₤ $4.00
12½₤ 2.25
6¼₤ 1.25
Orange, Special, kegs 25₤ 5.00
12½₤ 2.75
6¼₤ 1.50
Orange Ducking, kegs ..6¼₤ 2 25
[For 1000 ₤ lots 10% discount.]
Blasting and Mining, A..25₤ 2.25
Blasting and Mining, B. 25₤ 1.50
Laflin & Rand W. A. Smokeless:
Sing e Canisters.....$1.00
10 Can Drums.....$9.00
Discounts on applica ion.

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 ₤ each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 ₤ each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ ₤ each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 ₤ each ..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 ₤ each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ ₤ each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ ₤ each..... .12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 ₤.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ ₤..... 1.35
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ ₤..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 ₤..... 4.00
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ ₤..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ ₤..... 1.25
"V. G. P." for Trap Shooting, in Kegs 25 ₤..... 4.00
"V. G. P." for Trap Shooting, in Kegs, 12½ ₤..... 2.25
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.25
Choke Bore, Nos. 5 and 7, in Kegs, 25 ₤..... 5.00
Choke Bore, Nos. 5 and 7, in Kegs, 12½ ₤..... 2.75
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ ₤..... 1.50
Mealed Powder, in Kegs, 25 ₤. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 ₤..... 2.25
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 ₤..... 2.25
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 ₤..... 1.50
Du Pont Sporting Powder, for lots 1000 ₤ 10% discount:
Du Pont Smokeless Powder: Kegs, equal in bulk, to 25 ₤ Black Powder.....$22.00
Half Kegs, equal in bulk to 12½ ₤ Black Powder..... 11.25
Quarter Kegs, equal in bulk to 6¼ ₤ Black Powder..... 5.75
Canisters, equal in bulk to 1 ₤ Black Powder..... 1.00
Discounts on application.

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 ₤ best black.....$ .85
Canister, equal in bulk to 2 ₤, best black..... 1.70
Drum, equal in bulk to 10 ₤, best black..... 8.25
Drum, equal in bulk to 50 ₤, best black..... 41.00
Drum, equal in bulk to 100 ₤, best black..... 82.00
Discounts on application.

TARGETS AND TRAPS, INANIMATE—
Cleveland Target Co.:
Blue Rocks ₩ 1000.....$5.50
Expert Traps, each.....$5.50
Extension Traps, each.....$4.00

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success..... ₩ doz. $3.80
Galien Safety.. ..... ₩ doz. $3.75
Hartman's Pivot..... ₩ doz. $4.75
Iowa Farming Tool Co.:
Hawkeye..... ₩ doz $3.25
Western..... ₩ doz. $3.75

Anvils—

American "Horse-Shoe"...9¼@9¾c
Armitage's Mouse Hole.....8¾@9¼c
Eagle Anvils, ₩ ₤ 9c.....15@15&5%
Hay-Budden, Wrought.... 8¼@8¾c
Peter Wright's.....9¾@10¼c
Samson..... 8¼@9c
Trenton..... 8¼@9c

ANVIL AND VISE COMBINED—
Cheney Anvil and Vise..... .....40%
Holt's.....40@40&10%
Millers Falls (with drill) $18.00..20%

Augers and Bits—

Boring Machine .....70&10@75%
Cincinnati Tool Co.:
Bell hangers' bit..... .....40%
Brace twist drills for metals. 50&5@50&10%
Brace twist drills for wood. 40&5@40&10%
Screw and plug..... .....25&10&10%
Cleveland Wood Bits for Brace, Style A, No. 114.....50&5%
Common.....70&10@75%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Forstner Pat. Bits.....25%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
Nobles Double Spur, No. 33.70&10%
No. 10 Extension Lip.....40%
No. M Extension Lip pattern car bit.....40%
Pat. Car Bits, No. 10.....40%
Pat. Car Bits No. 30.....60%
Ring Augers.....70&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Russell Jennings' Augers and Bits. 25&10&2½%

HOLLOW AUGERS—
Bonney's Adjustable, No. 4, $14.00, 20%
Cincinnati Adjustable.....25&10%
Cincinnati Standard.....25&10%
Douglass'..... .....33⅓@33⅓&10%
Ives.....33⅓@33⅓&10%
Millers Falls, Goodell....15&7½&10%
Universal, each $4.50.....20%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Cincinnati.....25&10&10%
Clark's small, $18.00.....45%
Clarks' Large, $36.00 .....45%
Ives' Model, ₩ doz. $60....50@50&10%
Steer's No. 1, $36; 2, $18.....40%
Stearns' No. 2, $42.....20%
Swan's.....40@40&10%

GIMLET BITS—
Diamond ₩ dos. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 50&10%
Double Cut, Common, ₩ gro. $2.75 @$3.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ladds'.....70%
C. E. Jenning & Co.:
Double Cut.....70%
German.....50%

BIT STOCK DRILLS—
Cincinnati Tool Co., for wood.40@ 40&10%
Cleveland Wood Bits for Brace 50&5%
Syracuse, for wood.....40%

TWIST DRILLS—
Cleveland.....60&5@60&10%
Morse Twist Drills.....60&5@60&10%
New Process.....60&5@60&10%
Standard .....60&5@60&10%
Syracuse.....60&5@60&10%

SHIP AUGERS AND BITS—
L'Hommedieu's.....15&10%
Snell's..... .....30&10@40%
Watrous'.... .....40%

Awls—

Dunlap's Brad.....25%
Dunlap's Handled.....25%
Handled Brad, ₩ gr.....$3 00@$3.25
H'ld Scratch ₩ gr.....$3.75@$4.00
Pat. Peg ₩ gr..... .....33@35c
Sewing, Com.....₩ gro., 85c@$1.00
Should. Peg ₩ gr.....$1.35@$1.45
Shouldered Brad, ₩ gr...$1.50@$1.65
Socket Scratch ₩ doz....$1.00@$1.10
Stanley Rule & Level:
Handled Brad..... .....40&10%
Patent Pegging.... .....50&10%

Awl and Tool Seats—

Aiken's Awls and Tools:
No. 10 ₩ dos. $7.50; No. 20, ₩ dos. $10..... 60&10@60&10&5%
Brad Sets:
No. 42, $10.50; 43, $12.50....70&10&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Ice Awls.....55%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18.. 15@15&10%
C. E. Jennings & Co.'s Adjustable Tool Handle, No. 10, $3.50; 45, $4.50; 65, $6.00; 75, $9.00; 175 $10.00 ₩ dozen net.

Axes—

First quality, best brands.$5 00@5.25
First quality, other " $4.50@4.75
Beveled add 50c ₩ dos.

AXES, HANDLED—
Peck's:
Champion Blade...per doz., $12.00
Empire.....per dos , $9.00
Firemans'.....per dos., $25.00

HATCHETS—
Collins..... .....10%
Findlay Axe & Tool Co...50@50&10%
Hunt's, Underhill's or Blood's... 50@50&10%
Peck's:
Champion Blade.....45%
Empire Brand.....50&10%
Fayette R. Plumb:
Broad, New List.....40&12½%
Lathing.....50%
Shingling.....50%
Warehouse.....40&12½%
Vulcan Tool Co.....60%

Balances—

Chat llon's:
No. 2000 20 20
₩ doz. 75c 85c $1.65 net
Circular Balances.....60%
Straight Balances.....50%
Circular Spring Balances.50&10@60%
Common 24 ₤. .....₩ dos. 80c net.
Ice.....50&10%
Straight Spring balances.50&10@60%

Barrel Drainers—

National.....30%

Beef Shavers—

Enterprise:
Japanned, each, $6.50.....25%
Tinned, each, $7.50.....20%

Bells—

HAND—
Extra Heavy Brass.....65&10%
Light Brass.....70&10%
Globe (Cone's Patent).....40%
Silver Chime.....40%
White Metal.....65&10%

DOOR—
Crank, Cone's.....10%
Gong, Abbe's.....40@40&10%
Gong, Barton's.....40&10@50%
Gong, Yankee.....55&10%
Lever, R. & E. Mfg. Co.'s.60@60&10%
Multi-Stroke.....50%
New Departure.....45@50%

COW—
Common Wrought.....60&10%
Dodge, Genuine Kentucky 70@70&10%
Kentucky, Sargent's List.....75%
Texas Star.....50&10%
Western, Sargent's list.....75%

Bellows—

Blacksmith's.....70@70&10%
Hand.....60&5@60&10&5%
Moulders.....50&5@50&10&5%

Belting, Rubber—

Boston Belting Co.:
"Boston".....50&10&5%
"Imperial," seamless, stitched 40&10%
Cleveland Rubber Co.:
Buckeye.....60&10%
Shield High Grade.....50&10%
War. 2 XL.....40%
Common Standard.75&10@75&10&5%
Extra.....60&10&5@70%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Standard.....70&10@75%

Bench Stops—

Cincinnati.....25&10%
Morrill's No. 1, $10.00 per dos.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5, 10@10&10%
Terrell's No. 1 and 2, $3; No. 3, $3.00 ₩ dos.....30%
Millers Falls.....15&10%

Bit Holders—

Angular.....40&5%
Extension:
Barber's, ₩ dos. $15.00.....45%
Ives' ₩ dos. $30.60.60&10@60&10&5%

Blind Adjusters—

Domestic..₩ dos. $3..33⅓@33⅓&10%
Excelsior..₩ dos. $10.00....50&10&5%
N rth's.....10%
Zimmerman's.....50&10@50&10&10%

Blind Fastenings and Tenons—

Austin & Eddy ₩ gro. sets.....$5.50
Gorhams Improved Star Tenon ₩ gro. $1.00.....25%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Millers Falls ₩ set $1.00.....15&10%
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel 60&10@70%
Com. Jap'd Sheaves...70&5@70&10%
Lanes:
Junior, Se'f Sustaining.....30%
Pat Automatic.....35%
Perfect Safety.....30%
Stowell Novelty Block.....50&10%

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Regular Iron Strapped Blocks 70&5@70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c.....70%
Cast Iron Chain.....50&10%
Cast Iron Shutter Bolts.....70%
Ives' Patent Door Bolts...60&10&5@60&10&10%
Wrought Barrel.....75@75&10%
Wrought Square..70&10@70&10&10%
Wr't Shutter, Standard list.....70%
Wr't Shutter, Sargent's list... 70%
Wr't Sunk Flush, Sargent's list. 50&10@50&10&10%
Wr't Sunk Flush, Stanley's list 50&10@5&10&5%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&5%
Window Spring.....75%
Window Spring Bolt Socket.....70%

CARRIAGE, MACHINE, &C.—

Bolt Ends.....80@80&5%
Machine.....75&10@80%
Carriage, Common.....75&5@75&10%
Norway Iron, list Oct. '84..80&10@80&15%
Phila., Eagle, list $3.00.....85%
R. B. & W., $3.40 list.....70%

TIRE—

American Screw Co.:
Bay State, Plain list Feb. 26, '96. 75&10%
Bay State, Fluted.....80%
Eagle Phila., list Feb. 26, '96....85%
Norway, Phila., list Feb. 26, '96.80%
Common, list Feb. 28, '83..75@75&10%
Eagle.....85%
R. B. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—

Plow.....60&10&10@70%
R. B. & W., Plow.....65%
Stove.....75&10%

MISCELLANEOUS—

Sink.....75&10%
Sleigh Shoe.....85%

Bone Mills—

Enterprise.....20%

Borers, Tap—

Common and Ring.....20&10@35%
Enterprise, No. 1, $1.50; 2, $2.00; 3, $3.00 each
Ive's.....33⅓&5%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'	$2.50	$3.00
Jennings'	2.50	$3 00
Millers Falls		7.50 15&10%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	10....
Snell's, Rice's Pat.	2.50	$2.75

Bow Pins—

1¼ inch, ₱ gro.....$4.50@$5.00
inch, ₱ gro.....$5.00@$5.50

Boxes, Mail—

Heller's.....40&5%

Braces—

Barber's.....50&10@60&10%
Barber's Ratchet.....60@60&10%
Bartholomew's:
Nos. 25, 27 and 30.....70@75%
Nos. 117, 118, 119.....70&75%
Common Ball American..$1.10@$1.20
Ives':
Barbers'.....60&5%
Barber Ratchet.....60@60&10%
New Haven Novelty....70@70&10%
New Haven Ratchet.60&10@60&10&10%
Spofford.....60&5@60&10%
C. E. Jennings & Co.:
No. 108@114¼.....60&10%
No. 208¼@214¼.....60%
Peck's (P. S. & W. Co.)...60@60&10%
Gen. Spofford's.....50&10&5%

Brackets—

Door Screen.....70&10%
Moore's.....70&5%
Shelf, Bradley's Patent.....80%
Shelf, Plain, Regular list.....70&10%
Shelf, Fancy, Sargent's list.60&10@60&10&5%
Window Screen Corner.....70&10%
Reading, plain.....70%
Reading, Rosette.....70%

Bright Wire Goods—

Standard list.....85@85&10%

Bull Rings—

Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%
Sargent's.....80@80&10%
Seymour Smith & Sons.....60%

Butcher's Cleavers—

Beatty's.....40&5@40&10%
Bradley's.....35@30%
Dunlap's Family.....35%
Foster Bros. Flat Hds.....30%
Foster Bros. Round Hds.....40%
L. & I. J. White.....35%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%

Bung Hole Borers—

Enterprise.....25%
C. E. Jennings & Co.:
No. 6.....40%
No. 10.....30%

Butter and Cheese Triers—

Ordinary Black Handle.....35%

Butt and Rabbet Gauges—

Stanley's.....35&10%

Butts—

BRASS—

Cast Brass, Fast Joint....40@40&10%
Cast Brass, Ice House.....40%
Cast Brass, Loose Joint...40@40&10%
Wrought Brass, List Sept. '96.40@40&10%

CAST IRON—

Loose Joint.....75@75&5%
Loose Joint, Japanned.....75@75&5%
Loose Joint, Jap. with Acorns, 75@75&5%
Loose Pin.....75@75&5%
Mayer's Hinges.....75@75&5%
Parliament Butts.....75@75&5%
Sargent's:
Fast Joint, Broad.....60&10%
Fast Joint, Narrow, ...60@60&10%

WROUGHT STEEL—

List, April 1, 1895.
Bronzed Inside Blind Butts.50&10@50&10&5%
Bronzed, Narrow.....
Fast Joint, Narrow.....
Fast Joint, Light Narrrow.....
Fast Joint, Broad..... } 75%
Loose Joint.....
Loose Pin.....
Table Butts, Back Flaps, etc..

Can Openers—

American.....₱ gross $1.75@$1.90
Champion, ₱ dos. $3.00.....50%
Columbian.....₱ gro. $14.40
Dunlap's Iron Handle, No. 3 ₱ gr. $12.00.....25%
Dunlap's Sardine Scissors, ₱ doz. $3.00.....25%
Dunlap's Wood Handle No.2$1.75.25%
Goodell's Acme, ₱ gr. $3.00; ₱ doz.75c
No. 5, Iron Handle, ₱ gr....$2.00@2.25
Sardine Scissors...₱ dos. $2.0 @2 25
Sprague, No. 1, $2.00; No. 2, $2.25; No. 3, $2 50.....70%
Universal, ₱ dos. $3.00.....55&5%
World's Best, ₱ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%

Cards—

Cotton.....20@25%
Horse and Curry.....20@25%
Wool.....20@25%

Carpet Stretchers—

Bullard's.....33⅓%
Cast Iron Steel Points, ₱ doz.75@$1.00
Cast Steel, Polished.....₱ doz. $3.25
Dunlap's.....25%
Excelsior.....25%
Socket.....₱ dos. $1.75

Carpet Sweepers—

Bissell's:
Gold Medal.... } Ball Bearings. ₱ doz. $24.00
Grand..... } ₱ doz. $36.00
Grand Rapids. } ₱ doz. $23.00
Hall..... } ₱ doz. $60.00
Prize..... } ₱ doz. $24.00
Premier..... } ₱ doz. $24.00
Superior..... } ₱ doz. $24.00
Crown Jewel, japan finish, ₱ doz $19.00
Crown Jewel, nickel, ₱ doz. $21.00
Furniture Protector, Japan.....₱ dos. $24.00
Furniture Protector, Nickel.....₱ doz. $27.00
Grand Rapids, Jap...₱ doz. $20.00
Grand Rapids, Nick..₱ doz. $24.00
Housewife's Delight..₱ doz. $15.00
Parlor Queen, Jap....₱ doz. $24.00
Parlor Queen, Nickel, ₱ doz. $27.00
Standard.....₱ doz. $24.00
Lots of 5 dozen $1.00 per dos. less.

TOY LINE—

Baby.....₱ dos. $2.50
Child's.....₱ doz. $3.00
Little Jewel.....₱ dos. $7 00
Little Queen.....₱ dos. $4.00
Mi-see.....₱ doz. $9.00
Quantity rebates on application.

Casters—

Bed.....60&10&10@70%
Deep Socket.....60@ 0&10%
Giant Truck Casters.....25%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%
Martin's Patent(Phœnix). 60@60&5%
Plate.....60&10&10@70%
Socket Truck Casters..45&10@45&10&10%
Stationary Truck Casters.....50&10%
Store Truck.....55%
Swivel Truck.....60&10&10%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50&5%
Yale Gem.....70&10&5%

Cattle Leaders—

Humason Beckley & Co.'s 70&10@70&10&10%
Peck, Stow & W. Co.....66⅔%
Sargent's.....70&10@70&10&10%

COW TIES—

American.....60&10%

Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%
Triumph.....33⅓%

Chain—

American Coil, Ass'n base prices.
3-16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾
$6.85 5.35 4.25 3.65 3.50 3.35 3.15 3.05
Covert Saddlery Works:
Breast Chain.....60&20%
Hitching Chain.....6 &20%
Rein Chain.....60&20%
Covert Mfg. Co. Chains.....45%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Galvanized Pump Chain, with Buckets.....5@5½c
German Coil.....60&10@70%
German Halter Chain....60&10@70%
Jack Chain, Iron.....70@70&5%
Jack Chain, Brass.....70@70&5%
Oneida Halter Chain.....60@60&10%
Plumbers.....60%
Trace, Wagon and Fancy Chains, 60&10@60&10&10%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

Buck Bros.....30%
Charles Buck.....30%
Douglass.....75@75&10%
Hinsdale..... } 75&10 &5%
Mix..... }
Ohio Tool Co..... }
P. S. & W..... }
Sag Harbor Tool Co..... }
Swan..... }
Winsted Edge Tool Co..... }
C. E. Jennings & Co. No 70....25&10%
Jennings & Griffin Mfg. Co....75&5%
Merrill & Wilder.....60&10%

TANGED AND MISCELLANEOUS—

Box.....60&10%
Buck Bros.....30%
Butchers'.....$4.75@$5.00 to £
Cold Chisels, good quality, ₱ lb 14c@16c
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges.....40&10%
Spear & Jackson's.....$5 to £
Tanged Firmers'.....50@50&10%

Chucks—

Beach Pat....each $3.00.....30%
Cushman's:
Combination.....40%
Independent.....50%
Morse's Adjustable, each $7.00...35%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....40%
Skinner's Pat. Comb. Chuck.....40%
Union Mfg. Co.:
Combination.....40%
Independent.....40%
Universal.....40%
Victor, No 1, $3.50; No. 2, $12.50.25%

Clamps—

Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearns'.....30@30&10%
Cabinet Makers, Sargent's ...45&10%
Carpenters', Cincinnati .....25&10%
Carriage Makers', Sargent's.. 50&10@50&10&5%
Carriage Makers' P. S. & W. Co. 40&10%
R. I. Tool Co.'s Wrought Iron....25%
Smith's:
Eccentric.....25%
Splicing.....25%
Splicing Tools.....25%
Warner's.....40&10@40&10&5%

Cleaners, Sidewalk—

Challenge Shank.....₱ doz. $3.25
Star Shank.....₱ doz. $3.50
Star Socket.....₱ doz. $3.75

Clips—

Norway Axle.....70@70&10%
Norway Spring Bar Clips.70@70&10%
Superior Axle Clips.....70&10@75%

Coffee Mills—

Box and Side.....60&16@60&10&5%
Enterprise Mfg. Co.....25%
National.....80
The Swift, Lane Bros.....33⅓&
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%

Compasses, Dividers, &c.—

Athol Calipers and Dividers.....40%
Bemis & Call Co.'s:
Compasses.....50&5%
Dividers.....65%
Compasses, Calipers, Dividers, 70@70&10%
Wm. Johnson's:
Extension Dividers.....40%
Inside, Outside and Double.....70%
Registering.....50%
Wing Calipers.....70%
Wing Dividers.....75%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%

Coopers' Tools—

Bradley's.....30%
Barton's.....30@30&5%
Beatty's.....35%
L. & I. J. White.....30@30&5%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....30%

Corkscrews—

Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....40%
Humason & Beckley Mfg Co. 40& 10@50%
Samson.....₱ dos $10.00
Williamson's.....40%

Corn Hooks—

Kretsinger Cut-Easy, ₱ doz. $3.00 net

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....35@35&10%

Counter Sinks—

Adjustable.....30%
Countersink Bits.....40&10%
Shepardson's Diamond.....40@45%
Smith's.....35%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....30%
Dixon's
Eclipse.....₱ gro. $2.75
Emerald.....₱ gro. 5.00
Oriole.....₱ gro. 5.00
Rainbow.....₱ gro. 2.81
Solid.....₱ gro. 7.50

Curry Combs—

Fitch's, List Nov. 20, '96.....25&10%
Perfect.....25&10%
Rubber, ₱ doz. $7.50.....20@20&10%
Southington Cutlery Co.'s List, Nov. '96.....25&10%

Cycle Hangers—

Lane's.....33⅓&5%

Diggers—

See Post Hole, etc.

Dog Collars—

Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%
Medford Fancy Goods Co. list. 40& 10@50%
Union Hardware Co. New List. 50&50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

Door Springs—

Champion (Coil)...50&10@50&10&10%
Foster's (Coil).....30%
Gem (Coil), list Oct. '95.....35%
Rubber, complete, ₱ dos. $5.50. 65%@70%
Star (Coil), list Oct. '95.....33⅓&10%
Torrey's Rod, 39 in, ₱ doz $1.35@1.35
Victor, Coil.....60&10@60&10&5%
Warner's.....55@55&10%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Adjustable Handle.....40@40&10%
Bradley's.....35%
Douglass.....75@75&10%
Jennings & Griffin.....75&5%
Merrill & Wilder.....60&10%
Mix..... } 75& 10& 5%
New Haven..... }
P. S. & W..... }
Witherby..... }
Watrous.....30@30&10%
L. & I. J. White.....30&5@35%
Wilkinson's Folding.....25@25&5%

Drills and Drill Stocks—

Automatic Boring Tools..$1.75@1.85
Blacksmiths'.....each $1.75
Breast, Bartholomew's No. 12, ₱ doz.....$15.00
Breast, Millers Falls, each $3.00 15&10%
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Graves Drill Stocks.....40%
Ratchet, Billings' Dble. Acting.33⅓%
Ratchet, Ingersoll's.....25%
Ratchet, Merrill's.....30@30&5%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Parker's.....40%
Ratchet, Whitney's.....30&10%
Ratchet, Weston's.....20@25%
Stearns' Bench.....50@50&10%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

Dover (Standard Co.) No. 10 ₩ gro. $9.50
Dover Extra Heavy (Standard Co.) No. 15.....₩ gro. $21.00
Paine, Diehl & Co.'s Keystone .33⅓%
Spiral.....₩ gro. $4.25@$4.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$3.00 each, less 50%
Annunciators, $1.50 ₩ drop less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon..60c. ea., less 50%
Batteries, Medical.$3.50 ea., less 50%
Batteries, Dry.....50c. ea., less 50%
Bells, Electric, 2½.50c. ea., less 50%
Call Bell Outfit, Electric...$3.00 each, less 50%
Desk Pushes Electric..30c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Risers' Set, Electric..$3.50 each, less 50%
Floor Pushes, Electric...6 c. ea., less 50%
Gas Burners, Electric....5c. ea., less 5%
Gravity Batteries, $1.00 ea..less 50%
Hydrometers....75c. each, less 50%
Incandescent Lamps..40c. each, less 50%
Induction Coils, Telephone..6 c. each less 50%
Lead Covered Wire No. 18, No. 16, No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Push Buttons, Wood..10c. each, less 50%
Sal Ammoniac...18c. ₩ lb, less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt... 24c. each, less 50%
Switches, 3 pt....28c. each, less 50%
Spark Coils, 8 pt..$2.00 ea., less 50%
Spark Coils, 10 pt $4.40 ea., less 50%
Spark Coils, 12 pt.....$3.80 each, less 50%
Tape, Insulating, 30c. ₩ lb. less 50%
Tube, Speaking, $31.00 ₩ 1,000 ft. less 50%
Whistles, Speaking Tube, N. P., 2.00 ₩ doz., less 50%
Whistles, Speaking Tube, Porcelain.....75c ₩ doz., less 50%
Wire Winders, $10 00 each, less 50%
Window Springs, Electric...24c. each, less 50%
Yale Lock Switch, Electric, $3.50 each, less 50%
Zincs, Leclanche...04c. ea., less 50%

Emery—

	No. 4 to 48 gr.	No. 54 to 150 gr.	Flour, FF.
Kegs, ₩ lb.	4½c	5c	8c
½ kegs, ₩ lb.	4¾c	5¼c	8½c
¼ kegs, ₩ lb.	5c	5½c	8½c
10 lb cans, 10 in case....	5c	6½c	8½c
10 lb cans less than 10..	10c	10c	8c

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Brass Thread.....50@50&10%
Wood.....25%

Escutcheon Pins—

Brass.....70@70&10%
Iron, list January, 1890.....60@60&5%

Farriers Knives—

"Challenge".....₩ doz. $3.00
Popes.....₩ doz. $3.00
Wilkinson's.....₩ doz. $3.00

Faucets—

Brass Globe Cocks.....60&10%
Brass Racking.....60&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....60%
Pratt's Pat. Petroleum..5%&10@70%
John Sommer's Boss Tin Key....50%
John Sommer's Chicago Cork Lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Cedar (in bbls.) 50&10%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....50%
John Sommer's No Brand Metal Key.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.40%
John Sommer's Peerless Tin Key.40%
John Sommer's Reliable Cork Lined.....60%
John Sommer's W. P. Metal Key.40%
Star.....60@60&5%
Self-Measuring:
Enterprise ₩ doz. $36.00.....40%
Lane's ₩ doz. $36.00.....40%
National Specialty Mfg. Co....40%

Fibreware—

Standard Fibre-ware Co.

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Buggy Pails, 7 in. high.	2.60		
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)	1.40	1.70	2.00
Cuspidors, 9x7½ inches, (anti-tip-over)	5.50	6.50	7.00
Dairy Pails, 14 qt.	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire	3.40		
Fruit Bowls	1.30	1.70	2.00
Keelers, 11½ inch	2.30	2.80	3.10
Milk Pans	1.50	2.00	2.30
Mats, 8½ inch (for table use)	.50	1.00	1.20
Mats, 15 inch (for cuspidores, etc.	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)	3.00	3.70	4.30
Prison Pails, 16 qt. (with cover)	6.50		
Pitchers, 10½ in. high	4.00	4.70	5.20
Peck Measures	2.80		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt.	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Spittoons, Daisy, 8½ in. (detachable covers)	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers)	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers)	4.00	4.80	5.30
Water Pails, 12 qt.	$3.00	$3.50	$4.00
Waste Paper Jars	3.00	4.00	4.50
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)	1.20	1.70	2.00
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in., (or Wash Bowls,	2.30	2.90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4.00

Files—

DOMESTIC—

American.....70&10@75%
Arcade.....70%
Great Western.....70&10@75%
Kearney & Foot.....70&10@75%
Nicholson.....70%
Nicholson's X. F. Files.....33⅓%
Second Quality Files.....80@80&10%
Tiger.....75%
Troy File Works:
Files.....70&10%
Rasps.....70%
Victor.....75&10%

IMPORTED—

Stubs.....Stubs' list, 25@30%

Filters—

Seed's Water Filters:
A 1, $4.00 No. 2, $3.50 No. 3, $1.50 No. 4, $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (60c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....60&20%

Fluting Scissors—

List.....45%

Forks—

Champion, Hay, Manure, etc.75&15%
Columbia, Hay.....75&10%
Columbia, Manure.....80%
Columbia, Spading.....80&5%
Hay.....75%
Iowa Farming Tool Co.:
Barley.....60&40%
Manure, 4 tine.....75&10&2½%
Manure, 5 and 6 tine.....70&20&5%
Spading.....75&10&2%
Victor, Hay.....75&10%
Victor, Manure and Header.....80%

Freezers, Ice Cream—

Blizzard.....net
Gem.....net
Granite State.....net
Improved Arctic.....net
Keystone, P. D. & Co.....20%
Ohio.....60&10%
Packer's:
Confectioner's Machine.....net
Double Action Standard.....net
Good Luck.....net
Standard.....net
Shepard's Lightning.....net
White Mountain.....net

Fry Pans—

Acme Fry Pans.....70&10%
Polished, regular goods...75@75&10%
Standard List.....75&10@80%

No.	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
₩ doz.	$8.00	$7.00	$8.00	$9.00	

Gas Lighting Burners—

Gem.....₩ doz. $2.50
In lots of 3 doz.....₩ doz. $2.25

Gauges—

Bemis & Call's Steel.....50%
Boss, Screw Pitch.....33⅓%
Clapboard.....20%
Marking, Mortise, &c..60&10@60&10&10%
Stanley's.....60&10%
Stanley's Chisel.....25%
Starrett's Surface, Center and Scratch.....25&10%
Copeland Champion Bit ₩ doz $3.00 net
Stubs' Wire and Drill.....20%
Wire, Morse's.....25%
Wire, P. S. & W., low list....10&10%
Wire, Wheeler, Madden & Co....10%

Gimlets—

"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%
"Diamond" Gimlets ₩ gr. $4.00@4.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%
"Eureka" Gimlets.60&10@60&10&5%
Metal head.....55%
Nail Gimlets:
Assorted 1, 2 and 3.....₩ gr. $1.50
Assorted 2 and 3.....₩ gr. $1.70
Pod.....50%
Star.....50%
Spike Gimlets:
Assorted 1, 2 and 3.....₩ gr. $3.00
Assorted 2 and 3.....₩ gr. $3.25
Wood head.....50&10%

Glue—

Dodd's Liquid Glue.....25&25&10%
Le Pages Liquid.....25&25&10%

Glue Pots—

Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....60%
Enameled.....45@50%
Tinned.....45@50%

Graters—

Enterprise.....25%

Grindstone Fixtures—

Howard Iron Co.....30%
P., S. & W. Co.....50&10&10%
Russell & Erwin.....70&10%
Sargent's Patent..70&10@70&10&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
'96 List.....60&20%
Upson & Wooding.....40%
Wright's Animal Tether.....30%

Hammers—

HANDLED HAMMERS—

Atha Tool Co.....50&10@60%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&10%
C. Hammond & Son. List..40&10@50%
Humason & Beckley.....50@50&10%
Dunlap's Patent.....25%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40&10%
Maydole's.....33⅓&5@40&5&5%
Peck, Stow & Wilcox.....40@40&5%
Fayette R. Plumb:
Artisan's Choice, A. E. Nail..40&12½%
Engineers & B. S. Hand....0&15%
Y. & P., A. E. Nail.....40&12½%
Other Brands.....50&10@60%
Sargent's New List.....45@50%
Verree.....50&10@60%
Warner & Nobles New List..25&10%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb...₩ lb 40c
3 to 5 lb.....₩ lb 35c
Over 5 lb.....₩ lb 30c
} 75@75&10%

Wilkinson's Smiths....9½c@10c₩ lb

Hammock Ropes—

Covert Mfg. Co.....45%
Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—

Chest Handles, Sargent's..50&10@50&10&10%
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.06	1.35	1.50

50&10@60%
Drawer Handles.....60%
Ring Handles.....70%
Roggin's Latches.....50&10@60%
Shelf Box Handles.....65%
Trunk Handles.....60%
Tub Handles.....60&10%

STORE DOOR HANDLES—

Bronzed, with Cylinder Lock....50%
Bronzed.....60&10@66⅔%
Japanned, with Nuts.....$1.65
Japanned, with Plate.....$1.10
Japanned, without Plate.....85c

DOOR PULL—

Bar.....60@60&10%
Barn Door.....50&10%
Chest and Lifting.....60@60&10%
Drawer Pulls.....50&10@60%
Plain B. M.....60@60&10%
Push Plates, Sargent's List..60@60&10%
Sash Pull Plates.....70&10%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%

WOOD—

Auger, assorted.....₩ gr. $2.25@2.50
Auger, large.....₩ gr. $3.00@3.25
Auger, Douglass', Pat. ₩ set, No. 1, $1.00; No. 2, $1.40
Auger Ives', Pat. No. 1, 60&10%
No. 2 to 32⅛.....40%
Auger, Swan's, Pat. ₩ set, No. 3, $1.00; No. 4, $1.25.....25&10%
Brad Awl.....₩ gr. $1.75@2.00
Chisel Worcester Leather Cap'd 1.50
File, assorted.....₩ gr. $1.25@1.40
Firmer Chisel, Apple ass'd ₩ gr. $2.25@2.50
Firmer Chisel, Apple large ₩ gr. $2.75@3.00
Firmer Chisel, Hickory ass'd ₩ gr. $2.00@2.25
Firmer Chisel, Hickory, large, ₩ gr. $2.50@2.75
Firmer Chisel, Socket ass'd ₩ gr. $2 00@2.25
Hammer, Hatchet, Axe, Sledge, etc.....50&2%
Hoe, Rake and Fork.60&10@60&10&5%
Saw and Plane.....40&10@50%
Shovel and Spade, Wood D Hdle. 60@60&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....60&10@60&10&10%
Barn Door, New England.70@70&10%
Barry, $6.00.....50&10%
Best Anti-Friction.50&10@60&10&5%
Challenge, Barn Door.....50%
Cronk's Roller Bearing, No. 4, $18.00; No. 5, $36.00....60&10&10%
Cronk's Steel cov'd Loose Axle, 60&10&10%
Davis Parlor Door.....50@50&5%
Duplex (Wood Track).....60&10&5%
Kidder's.....50@50&10%
Lanes Barn Door:
Covered.....60&10%
No. 50.....6 &5%
New Model.....4 &10%
Parlor, Standard.....4 &10%
Standard.....60&10%
McKinney's "None Better," No. 2, $18.00; No. 1 Special, $14.00, ₩ dozen pairs.....60&10%
Reed's Steel Arm.....50%
Rider & Wooster, No. 1, 63½c.; No. 2, 75c.....40%
Richards' Single Track, Steel.50&10%
Star.....50&10&10%
Stearns' Challenge.....50@50&5%
Sterling's Impr'd.60&10@60&10&10%
Stowell Barn Door:
Badger.....60&10%
Climax.....55%
Interstate.....60&15%
Magic.....50%
Matchless Covered.....60&10%
Wild West.....50%
Zenith.....65%
Baggage Car Door.....33⅓%
Elevator.....40%
Railroad.....55%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
The Boss.....60&10@60&10&5%
Universal Anti-Friction.....40%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4, $35.00.6%&10&2½%
Warner's Pat.....20&10&10%

Harness Snaps—

See Snaps.

Hasps and Staples—

McKinney's "Perfect," $1.10 ₩ doz.....40&10%
Wrought.....85&10@85&10&5%

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Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—
Auburn Hay, Com. and Spear Point 50%
Auburn Straw 40%
Lightning, from jobbers $6.00@$6.25
Wadsworth's ..... 40&5@40&7½%

Hedge Shears—
Wm. Wilkinson & Sons 50%

Hinges—
WROUGHT IRON HINGES—
Corrugated Strap and T..7½@75&5%
Rolled Blind Hinges Nos. 32 and 34 50&10@50&10&5%
Rolled Plate ..... 70&10@70&10&5%
Rolled Raised ..... 70&10@70&10&5%
Plate Hinges "Providence" 6 to 12 in. ₩ lb, 5c. 14 to 36 in. ₩ lb. 4c.
Screw Hook and Strap. 6 to 12 in., ₩ lb. 2½c; 14 to 20 in., ₩ lb. 2½c; 22 to 36 in., ₩ lb. 2 c
Strap and T ..... 75@75&5%

SPRING HINGES—
Acme ..... 80@10%
American 20%
Bommer's 40%
Bardsley's Patent Checking 15%
Chicago 30%
Crown 30%
Champion 60%
Devore's No. 1 ..... ₩ gr. $13.00
Geer's Spring and Blank Butts 40%
Gem ..... 30&10%
Kell's American 30%
Matchless No. 10 ..... 70%
New Idea, No. 1, ₩ gro $7.50
New Idea, No. 2, ₩ gro $18.00
Oxford ..... 30&10%
Rex ..... ₩ gr. $13.00
Royal Japanned 66⅔%
Rubber 66⅔%
Sargent's List 1894:
Bronze Metal ..... 75&10%
Japanned Surface, Single ..... 70&10%
Japanned Surface, Double ..... 60&10%
Mortise 55%
Model ..... 70@70&10&10%
Tuscan Surface, Single 70%
Tuscan Surface, Double 70%
Vigilant ..... 50&10@50&10&10%
Union Spring Hinge Co.'s list, March, 1894 ..... 20%
Union Mfg. Co 25%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $13.00

GATE HINGES—
Automatic ..... ₩ doz $12.50, 50%
Common Sense ..... ₩ doz pair $4.50, 50%
Clark's Nos. 1, 2, 3 ..... 70&10&5%
Long's Self Closing 50%
N. E. ..... ₩ doz $7.50 ..... 60@60&10%
N. E. Reversible ..... ₩ doz $5.60 60@60&10%
N. Y. State ..... ₩ doz $4.90 ..... 60@60&40%
Reed's Latch and Hinges ..... ₩ doz $13.00, 50%
Seymour's ..... 45&10%
Shepard's Nos. 1, 2, 3 ..... 60&10@60&10 &5%
Western, ₩ doz $4.20 ..... 60@60&10%

BLIND HINGES—
Clark's:
Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3 ..... 80&10%
Mortise Gravity 50%
Nos. 1, 2, 3, 5 ..... 80&10%
Nos. 40 and 50 ..... 80%
Huffer 65%
Parker ..... 75@75&10%
Sargent's Nos. 1, 2, 5, 11, 12 ..... 75@75&10%
Shepard's or Wrightsville Hdwe. Co.:
Acme, Lull & Porter ..... 60&10%
Buffalo Gravity Locking, Nos. 1, 2 and 5 ..... 80&10&5%
Champion Gravity Locking, No. 75 ..... 60&10&10%
1838, Old Pat'n, Nos. 1, 2 and 5, 60&10%
Tip Pattern, Nos. 1, 2 and 5, 60&10&5%
Double Locking, Nos. 50 and 25 ..... 75%
Empire, Nos. 10 and 101 ..... 80%
Niagara Gravity Locking, Nos 1, 2 and 5 ..... 80&10%
Noiseless, Nos 50, 60, 65 and 65 ..... 80&10%
O. S. Lull & Porter ..... 80&10&5%
Pioneer, Nos. 000, 45 and 5½ ..... 75&5%
Steamboat Gravity Locking, No. 10 ..... 80&10&5%
Stenger's Noiseless 75%
Mortise Gravity 50%
Stanley's Steel Gravity Blind Hinges, ₩ doz. sets $1.30 ..... 40&10%

Hitching Cords—
Covert Mfg. Co 45%

Hoes—
HANDLED—
Crescent Cultivator, 6 in. ₩ doz. $3.75 net
Crescent Cultivator, 7 in. ₩ doz. $4.00 net
Crescent Double-Bit, ₩ doz. $4.00 net
Crucible Cut-Easy ..... ₩ doz. $4.50 net
Cotton ..... 80&12½%
Dunlap's Boys', Ladies', Toy 30%
Garden, Mortar, &c ..... 75&25%
Iowa Crucible Socket ..... 75&25%
Magic ..... ₩ doz $4.00
Mattock Hoe ..... ₩ doz. $4.00 net
Planter's ..... 80&20%
Texas Cut-Easy ..... ₩ doz. $4.25 net
Warren Hoe ..... 60&10%

RYE—
American Axe & Tool Co 70%
Grub ..... 60&10@70&5%
Lane's:
Crescent Planters Pat ..... 45&5%
Razor Blade, Scovil Pat ..... 30&5%
Sandusky Tool Co., S. & O. Pat. 60@60&10%
D. & H. Scovil ..... 30@30%

Hog Rings and Ringers—
Hill's:
Rings ..... ₩ gr. boxes..$3.60@$4.00
Ringers ..... ₩ doz. 55@65c
Perfect Rings ..... ₩ gro. 90c
Perfect Ringers ..... ₩ doz. $1.00

Hollow Ware—
IRON—
Granite and Agate-Ware ..... 40&10%
Ironclad Enameled-Ware. 60&10&10%
Rustless Hollow-Ware ..... 50@50&5%
Stove Hollow-ware:
Ground ..... 60&10&10@70%
Unground ..... 70&5@75%
White Enameled Ware:
Boilers and Saucepans ..... 62½@65%
Maslin Kettles ..... 75&5@75&10&5%
Tinned Boilers and Saucepans ..... 60&5@60&10%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Hartford Silver-Plate Co ..... 40&5%
Holmes & Edwards Silver Co. 40&15&5%
Meriden Britannia Co ..... 40&5%
Reed & Barton ..... 40&5%
Rogers & Brother ..... 40&5%
Simpson, Hall, Miller & Co ..... 40&5%
William Rogers Mfg. Co ..... 40&10%

Hooks—
BUSH—
Jennings & Griffin's ..... 40&10%
Light ₩ doz. $5.00; Medium ₩ doz. $5.50; Heavy $6.00

CAST IRON—
Bird Cage, Sargent's list ..... 60&10&10%
Bird Cage, Reading ..... 60@60&10%
Bird Cage, Williamson 50%
Ceiling, Sargent's list ..... 50&10%
Chandelier 70%
Clothes Line, Sargent's list ..... 5 &10%
Coat and Hat, Sargent's list ..... 50&10%
Coat and Hat, Reading ..... 60&10%
Coat and Hat, Stowell's 70%
Harness, Sargent's list ..... 50@50&10%
Lamp 55%
Picture 75%
Screw Hat 70%
Wardrobe 55%

WROUGHT IRON—
Cotton ..... ₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works 80%
Hammock Hooks, E. C. Stearns, ₩ doz 60c
Picture, T. & S. Mfg. Co 75%
Tassel, T. & S. Mfg. Co ..... 50&10%
Wrought Staples, Hooks, &c. See Wrought Goods.

MEAT—
Enterprise 33⅓%
Wm. Johnson's:
8 in ..... ₩ doz. $2.20 net
10 in ..... ₩ doz. $2.70 net

WIRE—
Atlas Coat and Hat ..... 50@50&10%
Belt ..... 80@80&10%
Handy Coat and Hat 70%
Steady Celling 70%
Wire Coat and Hat, Acme ..... 60&10%
Wire Coat and Hat, Gem 70%
Wire Coat and Hat, Standard 45%

MISCELLANEOUS—
Carpenter's Ame. Grass Hooks, ₩ doz. $4.00
Covert's Saddlery Works:
Self-Locking Gate and Door Hooks ..... 60&20%
Dunlap's Merchandise 25%
Grass, No. 2, $1.65; 3, $1.80; 4, $2.00
Hooks and Eyes—Brass ..... 70&10%
Hooks and Eyes—Mal. Iron 75%
Wm. Johnson's Cotton, Box and Hay 60%
Stowell's:
Clothes Line 70%
Harness 70%
Hotel & School House 70%
Whiffletree ..... ₩ lb 4½c

Horse Nails—

	Nos. 6	7	8	9	10
A. U.	25c	23c	22c	21c	21c.

40&10%

American, all sizes, 9½@10c ..... net
Ausable ..... 26c 26c 25c 24c 23c. 40&10&5%
Anchor ..... 23c 21c 20c 19c 18c 40%
C. B. K 25c 23c 22c 21c. 21c 40%
Capewell ..... 19c 18c 17c 16c 16c..10&5%
Champlain..23c 23c 25c 24c 23c 40&5&2%
Clinton Fin. 19c 17c 16c 15c 14c. 30&10&5%
Empire Bronzed 10c
Essex ..... 26c 25c 25c 24c 23c. 40&10@50%
Lyra ..... 9½c 9½c 9½c 9½c., net
Maud S ..... 25c 23c 22c 21c. 21c 50&10&5%

	Nos. 6	7	8	9	10
Northw't'n.	25c	23c	22c	21c	20c.

25@25&5%

Putnam ..... 23c 21c 20c 19c 18c 25%
Snowden, 9½c 9½c 9½c 9½c., net
Vulcan ..... 23c 21c 20c 19c 18c 25%
Western, 5 to 10d 9c

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co 45%

Hose, Rubber—
Boston Belting Co.:
"Boston" ..... 50&10&5%
"Imperial" ..... 50&5%
Competition ..... 75@75&10%
Extra ..... 60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para ..... 40&10%
Reliable ..... 50&10%
Staple ..... 60&10%
Standard ..... 70&10@70&10&5%

Ice Awls, Chippers, &c.—
Copeland Ice Pick ..... ₩ gr $9.00 net
Crown ..... net
Dunlap's:
No. 1 ..... $3.50 per doz 20%
No. 20 ..... $12.00 per doz 20%
Gem Ice Shave ..... net
Sargent's Ice Awls 55%
Star ..... net

Ice Shredders—
Enterprise, No. 33, ₩ doz. $7.20..25%
No. 84 ..... ₩ doz. $15.00..25%

Jack Screws—
See Screws.

Kettles—
Spun Brass, Plain ..... 15@20%
Spun Brass, plated inside with White Metal ..... 10@15%

Knives—
Ames':
Bread Knives, ₩ doz. $1.50..20@25%
Butcher Knives ..... 25@25&10%
Shoe Knives ..... 25@30%
Dunlap Kitchen and Br'd Knives 25%
Foster Bros.' Butcher, &c 40%
Goodell's:
Bread Knives Ass'n list ..... net
Butcher 25%
Shoe Knives 40%
Hay and Straw, see Hay Knives.
Nichols' Butcher Knives 50%
Table and Pocket, see Cutlery.
Wilson's Butcher Knives..25@25&5%

Knobs—
Bardsley's Wood Door, Shutter and Base 15%
Base, Rubber Tip, 2½ in. Bead ₩ gr ..... $1.25@$1.50
Carriage, Jap ..... ₩ gro. 80c, 60&10%
Door Knobs, Hemacite ..... 50&10%
Door Mineral ..... ₩ doz. 55@90c
Door Por. Jap'd ..... ₩ doz. 65@70c
Door Por. Nickel ..₩ doz..$1.70@1.80
Drawer, Porcelain. 60&10@60&10&10%
Picture, Hemacite ..... 50&10%
Picture, Judd's ..... 50&10&10%
Picture, Sargent's ..... 70&10%
Shutter, Porcelain 70%
Yale & Towne Wood, list Dec. '95. 40%

Ladles, Melting—
Monroe's Pat ..... ₩ doz $4.00, 40%
P. S. & W ..... 35&10@40%
Reading ..... 50&10%
Sargent's ..... 60@60&10%
Warner's 30%

Lanterns—
Buhl Stamping Co:
No. 100 Buhl Tubular Headlights, ₩ doz. list $30.00
No. 16 Buhl Side Lever, ₩ doz. list $7.50
No. 10 Buhl Improved Regular, ₩ doz. list $7.00
No. 200 Buhl Square Top Lift, No. 2, ₩ doz. list $11.00
No. 150 Buhl Dash Reflector, ₩ doz. list $10.50
No. 250 Buhl Dash Reflector, No. 2, ₩ doz. list $17.00
Discount ..... 40&5%

Latches—
Cronk's Sliding Door 60%
Lane's Barn Door 40%

Lawn Mowers—
Champion ..... 75&10%
Continental ..... 60&10%
Drexel Cheap Mowers ..... net
Enterprise 40%
Genuine Philadelphia Mowers:
C. K. L ..... 70&10%
Styles A., and E ..... 60&10%
Styles, D., D. O. W., M., S., T.. Great American ..... 70&10%
Imperial ..... 60&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%
New Easy ..... 60&10@60&10&10%
New York ..... 60&5%
Pennsylvania ..... 60&10%
Rapid Transit ..... 70&10&10%
Standard ..... 60&5%
Sunbeam ..... 50&10%

Lawn Sprinklers—
Enterprise 25%
Gibbs' Arc ..... ₩ doz. $10.00
Gibbs' Hustler ..... ₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler:

	No. 1,	No. 2,	No. 3,
₩ doz.	$12.00	$15.00	$24.00..35%

Lemon Squeezers—
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40 ..... 30%
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $3.50 net
Dunlap's Improved ₩ doz. $3.75 20%
Hotchkiss, Straight Flush ₩ doz. $9.60
Jennings' Star ..... ₩ doz. $1.90@$2.40
Little Giant ..... 50@50&5%
Porc. Lined, Iron ..... $3.25@$3.50
Porc. Lined, Wood ..... ₩ doz. $6.00
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00. 33&10@40%

Letter Box Plates—
Name Door Plate ..... 50@50&10%
Name Plate 70%
Number Door Plate ..... 60@60&10%
Sargent's ..... 60&10@70%

Levels—
C. E. Jennings & Co.'s:
Hexagon ..... 25&10%
Iron Bench, new design ..... 25&10%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's 50%
Cotton Chalk, 20 feet ..... 60&10%
Cotton Trot 33⅓%
Masons':
Colored Cotton ..... 40&10%
Flax ..... 40&10%
No. 0 to 5 ..... 25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50 ..... 10%
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro 25%
Ventilator Cord, Samson Braided. White or Drab Cot. ₩ doz. $7.50. 20%
Wire Clothes, 100 feet, No. 18, $3.25; No. 19, $3.00; No. 20, $1.75

Locks—
DOOR LOCKS, LATCHES, &c.—
Barnes Mfg Co ..... 40@40&10%
Branford Lock Co ..... net prices
Brooklyn Latches ..... 50&10%
Champion Night Latches 40%
Dietz Flat Key 30%
Mallory, Wheeler & Co ..... 60&10@70%
Norwalk Lock Co ..... 60&10%
Plate 33⅓%
R. & E. Mfg. Co ..... 60&10@70%
Reading Hdw. Co ..... 60@60&10%
Romer's Night Latches ..... 20&5%
Sargent & Co ..... 60&10@60&10&10%
Slaymaker, Barry Co's:
Corrugated Key Latch ..... 35&5%
All other Night Latches 40%
Yale ..... net prices

CABINET—
Barnes Mfg. Co ..... 40@40&10%
Dietz:
Nos. 23 to 39 ..... 40%
Nos. 41 to 78 ..... 45%
Nos. 87 to 96 ..... 30%
Eagle Lock Co ..... 45&5%
Charles Parker Co ..... 45&5%
Romer's 25%
Stoddard Lock Co ..... 80@33⅓%
Yale ..... 45&5%

PADLOCKS—
Acme Bicycle and Satchel per doz. $9.00 ..... 40%
Ames Sword Co 40%
Barnes Mfg. Co ..... 50@50&10%
Champion 40%
A. E. Dietz 40%
Eagle 40%
Eureka, Eagle Lock Co ..... 40&5%
Gem, Corbin's ..... 40&5%
Romer's Nos. 0 to 21 ..... 40&5%
Scandinavian ..... 90&40@90&40&10%
Smith & Egge Bicycle 50%
Wrought Iron ..... 75@80%
Yale Lock Co ..... net prices

TRUNK—
Corbin's 35%
Eagle 25%

Mallets—
Sargent's List
Hickory ..... 50@25&10%
Lignumvitæ ..... 50@25&10%
Raw-Hide ..... 40&10%

Mattocks—
Regular list ..... 70@70&10%

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Meat Cutters—

American.....30%
Nos....1 2 3 4 B 5
Each..$5 $7 $10 $35 $50 $50
Beef Shavers (Enterprise).....20%
Onadborn's Smoked Beef Cutter, ₩ doz $80.00
Dixon's..... ₩ doz 33⅓%
Nos..... 1 2 3 4
$14 $17 $19 $30
Enterprise.....25%
Nos....10 12 22 32 42
Each...$3 $3.50 $4 $5 $15
Hales Pattern ₩ doz.....70@70&5%
Nos.....11 12 13
$27 $33 $45
Home No. 1..₩ doz $35.....60%
Little Giant.....50&10%
Nos. 305 310 312 320 322
$35 $48 $44 $72 $68
Miles' Challenge ₩ doz...45@45&10%
Nos..... 1 2 3
$23 $30 $40
Perfection.....net
Woodruff's ₩ doz.....33⅓%
Nos.....100 150
$15 $18

Metals, Anti-Friction—

Magnolia Metal Co.:
Magnolia, Anti-Friction, ₩ lb..25c
No Name.....₩ lb..18c
Mystic.....₩ lb.. 8c
f. o. b. New York or Chicago.

Molasses Gates—

Enterprise.....20%

Mop Wringers—

Matchless (Canton, O.), ₩ doz.$12.00

Nails—

WIRE AND CUT NAILS—

See Trade Report for quotations.
Wire Nails and Brads, Papered, Ass'n list, May 1, 1893.....87½%
Grand Crossing Tack Co. List:
Wire Brads.....80%
Wire Nails.....80%

PICTURE—

Brass Head, Combination list, 50& 10%
Brass Head, Sargent's list, 70&10@ 70&10&5%
Niles' Patent.....40%
Porcelain Head, Comb'n list..40&10%
Porcelain Head, Sargent's list, 50& 10%

FURNITURE—

Antique Bronze.....10%
China.....25%
Fire Gilt.....10%
Plain.....40%

Nail Pullers—

Black Hawk, per doz.....$9.00
Giant, No. 1, ₩ doz $18.00; No. 1½, $16.50; No. 2, $15.00.....30&5%
Lightning.....₩ doz $18.00, 20%
National.....40%
Pelican.....₩ doz $9.00, 15&10%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Buck Bros.....27½%
Cannon's Diam'd Point ₩ gr. $12, 25%
Dunlap's.....20%
Humason's.....50&10%
Hunters' Cup Point Knurled.... ₩ gro. $10.00
Hunters' Cup Point, Plain.... ₩ gro. $9.00
Round, assorted.....₩ gr. $3.00@3.25
Square.....₩ gr. $4.00@$4.25

Nippers—

Acme.....50%
Smith's Cutting.....50%
Todd's Cutting.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..40%
Turner & Seymour Mfg. Co.....50%

Nuts—

Cold Punched, Square, off list. $5 40
Hex, off list.....$5.70
Hot Pressed, Square, off list..$5.90
Hex, off list.....$6.70
Tapped.....50%

Oilers—

Brass and Copper.....50&10%
Cushman & Denison's:
Pocket Oilers.....₩ doz. $1.55
Star Pocket Oilers..... .75
Draper's:
Brass.....70&10%
Steel.....70&10%
Malleable. Hammers, New Style, 10@10&5%
Malleable. Hammers, Old Pattern, same list.....50&10%
"Paragon," Brass.....50&10@60%
"Paragon," Zinc.....70@70&10%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....75%
Zinc and Tin.....70&10@75%

Oil Stones, etc.—

OIL STONES—

Pikes Washita:
Lily White, ₩ lb.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ lb..... .50
No. 1..... .40
No. 2..... .30

Pike's Washita Round Edge Slips: 3 to 5x1¾ to 2¾ to ⅝ at back, ⅛ to 5-16 edge ₩ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb..... .70
Discount 33⅓%.
Pike's Washita Mounted No. 1:
8x2, ₩ doz.....$12.00
7x2, " 11 00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ lb..... .24
" 2x2x½, extra selected.. .40
Discount 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanizing, per lb 70c.....40%
Boston "Phoenix" Red Sheet, per lb.....50c. net
Extra.....60&5@60&10&5%
Standard, Fair Quality.. 70&10@75%

MISCELLANEOUS—

American Packing.....9c@10c ₩ lb
Cotton Packing.....14c@15c ₩ lb
Italian Packing.....12c@14c ₩ lb
Jute.....6c@7c ₩ lb
Russian Packing.....13c@14c ₩ lb

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Gold Medal.....₩ doz 4.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ dz..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Oriole.....₩ doz 4.00
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Rocking Table.....₩ doz 5.50
Scott's Pat. Rotary, ₩ doz $15.00, 20%
Turntable.....₩ doz 4.50
Victor.....₩ doz 13.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00

POTATO—

Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50
White Mountain.....₩ doz $4.50

Pencils—

Dixon's:
Carpenters'.....₩ gr. $4.00@7.50
Carpenter, Yellow or Brown Lead.....₩ gro. 9.00
Lead.....₩ gro $4.50
Lumber.....₩ gro. 6.87
Mascot, Hexagon.....₩ gro. 4.88
Mascot, Round.....₩ gro. 3.10

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Bailey's (Stanley R. & L. Co.) 50&10@50&10&10%
Bench, First Quality.....55%
Bench, Second Quality....60@60&10%
Fales Bench.....25%
C. E. Jennings & Co.....50&10%
Molding.....50%

IRON PLANES—

Chaplin's Iron Planes.....50&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting.....35%
C. E. Jennings & Co., Iron ...50&10%
Meriden Mal. Iron Co.'s..40@40&10%
Sargent's.....60@60&10%
Siegley's:
Bench.....40%
Combination, each.....$4.50 net
Standard Tool Co.....50@50&5%
Stanley Rule & Level Co.:
Bailey's...50&10&10@50&10&10&5%
Miscellaneous.....25&10%
Steer's Iron Planes..50&10@50&10&5

PLANE IRONS—

Auburn "Thistle"..... Ohio..... Sandusky.....} 30&10@40%
Buck Bros.....30%
Butcher's.....$5.00@$5.25 to 2
Hinsdale.....25&10%
C. E. Jennings & Co.....25&10%
Stanley Rule & Level Co.....50&10%
L. & L. J. White.....20&5@25%

Pliers and Nippers—

Button's.....70&10@70&10&5%
Carew's Pat. Wire Cutters.....25%
Cronk's:
Button Pattern.....70%
Gas Pliers, No. 100.....40%
Stubb's Pat. Pliers.....50%
Hall's Nippers, ₩ doz., No. 2, 5 in. $13.50; No. 4, 7 in. $21.00....40&10%
Hall's Pliers.....70%
Humason & Beckley Mfg. Co.50@50 &10%
Wm. Johnson's Gas Pliers.....66⅔%
Morrill's Parallel, ₩ doz $12.00 30&5%
Smith's Side Cutting.....25%
Stubs'.....20%
Swiss Pliers.....25%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%

Plumbs and Levels—

Cook's.....40&10&10%
Davis':
Inclinometers.....20%
Iron Levels.....25&10%
Disston's.....50%
Wm. Johnson's.....75%
Plumb Bobs.....40%
Pocket Levels.....70&10&10@75&10%
Stanley's.....75&10&10%
Stanley's Duplex.....25&10%
Wood's Extension Sight.....33⅓%

Poachers—

See Egg Poachers.

Police Goods—

J. P. Lovell's Police Goods.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
Tower & Lyon's.....25%

Polish, Metal—

Prestoline Liquid, New List.....40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Dixon's Plumbago.....₩ lb 8c
Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75

Poppers, Corn—

Round or square, 1 qt., ₩ doz. $ .75; ₩ gr. $6.50 } 10@ 1½ qt. ₩ doz. $ .85; ₩ gr. $8.00 } 15% 2 qt., ₩ doz. $1.15; ₩ gr. $12 00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3 00; 2 qt., $4 00.....33⅓%

Post Hole Diggers—

Ryan's.....₩ doz., $20.00, 25%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Cronk's Pruning Shears.....33⅓%
Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
Henry's Pruning Shears ₩ doz $3.50@$3.75
E. S. Lee & Co.'s Pruning Tools.40%.
P. S. & W. Co.'s Shears.....60%
Pruning Shears, Henry's Pat. ₩ doz.....$2.50@2.75
Waters Tree Pruners.....75&10%
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%

Pulleys

Awning.....60@60&10%
Axle.....60&10@60&10&10%
Brass Screw.....66⅔@70%
Ceiling.....50@10&60%
Clothes Line, Japanned..60@60&10%
Common Sense.....60%
Dumb Waiter.....60@60&10%
Empire Sash Pulley.....60%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%.
Hot House.....50&10@50&10&10%
Stowell's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40% Side, Anti-Friction.....50%
Shade Rack.....45%
Upright.....50&10@50&10&10%

Pumps—

Cistern, Best grades..65&10@70&10%
Pitcher Spout, Best grades 75&10@80%
Pitcher Spout, Cheaper Goods. 80&5@80&10%

F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig. 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14, Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 33, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70, Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig. 333, 3 in. Deep Well Pump.....$15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No. 103, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$18.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 260 Fig. 484, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 572, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 488, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 518, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 320. Fig. 492, Bucket Spray Pump.....$5.50
No. 330, Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% f. o. b. Ashland.

Punches—

Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Bemis & Call Co.'s:
Cast Steel Drive,.....50@5%
Check.....55%
Spring.....50&5%
Springfield Socket.....65%
Morrill's Universal.....35%
Niagara Hollow.....45%
Niagara Solid.....55%
Rand's Centering Marking Tool..25%
Rice's Hand.....15%
Saddlers' or Drive, good ₩ doz..60@65%
Spring, good quality, ₩ doz $1.70@1.80
Spring, Leach's Pat.....15%
Tinners' Solid, P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow, P. S & W. Co 20&2%

Rail—

Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.65 1.80
Barn Door, "None Better" No. 1, ₩ foot.....2¾c
Barn Door, "None Better" No. 2, ₩ foot.....3¼c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Carrier Steel Rail, ₩ foot.....4½c
Cronk's:
Competition.....₩ foot, 2¾c
Common.....₩ foot, 2¼c
Double Braced.....₩ foot, 2¾c
Lanes' O. N. T.....₩ 100 ft. $3.40
Stowell's Wrought Steel.....35%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft 2c
Sliding Door, Wr't Brass, 1½ n. ₩ lb, 35c.....30&10@40&5%
Terry's Steel Rail, ₩ foot.....3½c
Victor Track Rail, 7c ₩ foot. 60&10&2½%

Rakes—

Cast Steel, Association goods.75&15%
Fort Madison Red Head Lawn, $3.25
Ft. Madison Blue Head Lawn, $3.00
Gibbs':
Acme.....net ₩ doz. $4.00
Boss, Garden, 14 teeth, net ₩ doz. $2.60
Boss, Garden, 18 teeth, net ₩ doz. $2.75
Canton Lawn Rake...₩ doz. $3.50
Crown Lawn, No. 1....₩ doz. $3.50
Hustler, No. 0.....₩ doz. $3.20
Lawn Rake.....₩ doz. $4.75
Malleable.....70&10@75%
Oneida Lawn.....doz., $6.00
Peerless Socket and Shank..75&15%
Prize Bow-Brace.....75&15%
Queen City.....33⅓%

Razors—

Electric.....List net
J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to 2.....10%

Registers—

Stowell's:
Japanned.....80&10%
Nickel-plated.....75&10%

HOT AIR—

Ferrosteel Japanned.....80&10%
Ferrosteel, Nickelplated.....75&10%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

American Screw Co.:
Bay State Rivets.....75&5%
Burrs.....75%
Soft Steel.....80%
Copper.....60&10&5@60&10&10%
Norway, list Feb. 26, '96.....70%

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Rivet Sets—

Regular list.....70@70&10%

Rollers—

Barn Door, Sargent's list..60&10&10@70%
Cronk's:
Acme Barn Door.....50%
Adjustable Stay..₩ doz. $1.00 net
Screw Stay.....& doz. 60c net

Rope

Cotton Rope, Best,
¼ in. and larger.....₩ ℔ 14½@15c
Medium, ¼ in. and larger.....₩ ℔ 12 @13c
Common, ¼ in. and larger.....₩ ℔ 9½@10c
Jute Rope.....₩ ℔ 5½c
Manila:
7-16 in. and larger..₩ ℔ 6¼@6¾c
⅜ in.....₩ ℔ 6¾@7 c
¼ and 5-16 in.....₩ ℔ 7¼@7¾c
Hay Rope, Med.....₩ ℔ 6¼@6¾c
Sisal, ¾ in.....₩ ℔ 5½c
¼ and 5-16 in.....₩ ℔ 5½c
7-16 in. & larger.....₩ ℔ 4¾c
Med. L'th Y'rn.....₩ ℔ 4¼c
Hay Rope.....₩ ℔ 4½c

Rules—

Athol, Steel.....33⅓%
Boxwood..80&10&10&10@80&10&10 &10&10%
Ivory.....50&10@50&10&10%
Lufkin's:
Steel.....55%
Lumber.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—

Chinese Laundry.....₩ ℔ 4¼@5c
Chinese Sad.....3¼@3½c
Colebrookdale Iron Co.:
Crown, Improved Pol, ₩ doz. $6.50
Nickel.....₩ doz. $7.00
Common 4 to 10.....₩ ℔ 2½@2¼c

COLD HANDLED—

Enterprise Mfg. Co. of Pa.:
No. E 50, nickel plated, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.45
No. E 50, nickel-plated, size 1, 2 or 3 without handles, ₩ doz. $4.45
No. E 55, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.00
No. E 55 plain polished, size 1, 2 or 3 without handles, ₩ doz. $4.00
No. E 60, nickel-plated, size 1, 2 or 3 with "best" handles, ₩ doz.....$8.25
No. E 60, nickel-plated, size 1, 2 or 3 without handles, ₩ doz. $5.25
No. E 60, nickel-plated, size 4, with "best" handles, ₩ doz $9.80
No. E 60, nickel-plated, size 4, without handles, ₩ doz.....$6.80
No. E 65, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.75
No. E 65, plain polished, size 1, 2 or 3 without handles, ₩ doz. $4.75
No. E 65, plain polished, size 4, with "best" handles.....$8.80
No. E 65, plain polished, size 4, without handles.....$5.80
The "Best" Handles, with Forged Iron Stretchers, ₩ doz.....$3.00
Self-heating.....₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $22.50, 25%
Sensible Nickel.....₩ doz. $7.00
Sensible Pol.....₩ doz $6.50
Sensible, Tailors'.....₩ ℔ 3@3¼c

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Emery Cloth.....50&10@60%
Garnet Paper.....30@ [illegible]%
Sand and Emery Paper.50&10@60%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%

Sash Cord—

Cable Laid Italian Sash.....₩ ℔ 16c
Cable Laid Russia....₩ ℔ 13½c@14c
Common.....₩ ℔ 8½c@ 9c
Common Russia Sash.₩ ℔ 12½c@13c
India Hemp Sash.....₩ ℔ 9½c@10c
Jute, good quality.....₩ ℔ 11c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ ℔ 30c
"Samson" Braided Drab, Cotton.....₩ ℔ 35c
"Samson" Braided Italian Hemp.....₩ ℔ 32c
"Samson" Braided Linen, ₩ ℔ 55c
Silver Lake:
A Quality, Drab..₩ ℔ 55c. 35@40%
A Quality, White, ₩ ℔ 50c. 35@40%
B Quality, Drab, ₩ ℔ 35c..... 15@15&7½%
B Quality, White ₩ ℔ 30c..... 15@15&7½%
White Cotton Braided, ₩ ℔ .11c@12c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts Flush.....70%
Sash Lifts With Lock.....60&10&10%
Sash Rollers.....70%
Shutter Bars.....60&10@70%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%

Sash Locks—

Champion Safety.....70&10&5%
Corbin's Daisy, '95 list.....40@45%
Davis, Bronze, Barnes Mfg. Co...60%
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Ives' Patent....60&10&5@60&10&10%
Payson's Perfect.....70%
Reading.....60&10&10@70%

Sash Weights—

Small lots.....₩ ton, $20.00@$21.00
Ton lots at factory.....$18.00@$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....30%
Enterprise Mfg. Co.....35%
National Specialty Mfg. Co.....35%

Saws—

Atkin's:
Band.....50&10%
Butcher, Pruning and Compass.....40&10%
Circular.....50&10%
Cross Cut.....40&10%
Gang.....50&10%
Hand.....40&10%
Wood.....40&10%
Disston's:
Circular.....45@50%
Cross Cuts.....40&10%
Gang.....45%
Panel, Hand & Rip.....25%
Haines' Needle Point.....40%
C. E. Jennings & Co.'s:
Butcher.....30%
Hand Panel, Rip and other Saws 25%
Peace:
Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
Richardson:
Circular and Mill.....45&10%
X Cuts.....45&10%
Hand-saws.....25&10%
Star, Butcher.....25%
Woodrough & McParlin Cross Cuts.....45&10%

HACK SAWS AND FRAMES—

Chatillon.....30%
Griffin's:
Complete.....40&10%
Saw Blades.....40&10@50%
Star, Saws and Blades.....25%

Saw Frames—

C. E. Jennings & Co.....20%
Red, Polished and Varnished..₩ doz., $1.00@$1.10
Richardson's Wood.....net
White Vermont..₩ gro. .$8.50@$9.00

Saw Sets—

Atkin's:
Criterion Saw Sets. ₩ doz.....$6.00
Excelsior Saw Tools ₩ doz....$6.00
Bemis & Call Co.'s:
Cross Cut.....30&5%
Hammer, New Pat.....45%
Plate.....20%
Spring Hammer.....30&5%
Disston's Star.....25@25&10%
Hart's Pat. Lever.....30%
Kohler's:
"Giant Royal".....₩ doz. $10.00
"Royal".....₩ doz $6.00
Leach's.....33⅓%
Morrill's:
No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Cross-cuts Nos. 3 and 4, $33.00:
No 5, $31.00.....40&20%
Richardson's.....25%
Seymour Smith & Son, Hammer, ₩ doz.....$4.75
Stillman's ₩ doz.....$1.00
Taintors Positive...$18.00 ₩ doz. 60%

Scales—

Chatillon's:
Eureka.....25%
Favorite.....40%
Grocers' Trip Scales.....50%
Family, Turnbull's.....80@80&10%
Hatch:
Counter, No. 171, ₩ doz. $17.00@ $18.00
Tea, No. 161.....₩ doz. $5 75@$6.00
Union Platform Plain...$3.00@$3.10
Striped.....$3.15@$3.25

Scale Beams—

Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%
Scale Beams, List Jan. 12, '89.50&10%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....₩ doz., $2.00
Box, 2 Handle....₩ doz., $3.00@$4.00
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool Co.....10%

Screens—

Phillips:
Bonanza Screens.....60@60&5%
Extension.....50&10&5%
Flyer.....50&10&5%
Perfection Screens.....60@60&5%
Window Screen Frames.....60&5%
Stearns':
Frames and Corners....35@25&10%
Gem Window Screen Frames, 25&10%
Monarch Adjustable Window Screens.....50%

Screen Doors—

Phillips:
Empire Fancy.....30&35%
Fancy Pine.....15%
Painted.....50&5%
Stained.....50&10%
Standard Oil.....35&40%

Screw Drivers—

Brace Screw-Drivers.....25&10&5%
Buck Bros.....30%
Screw-Drivers Bits.....27½%
Champion.....40&10%
Disston's.....50@5&c.&10
Pat. Excelsior.....5 [illegible]%
Ellrich's Socket and Ratchet.40&10%
Fray's Hol. Hdle. Sets, No. 8, $12.50%
Howard-Allard.....50&10&10%
C. E. Jennings & Co.....40&10%
Jennings & Griffin.....65&10%
Wm. Johnson's:
1.5 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
143 Ebonized Handle.....70%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20 and 40.....50@50&10%
Screw-Driver Bits...₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $6.25
N. E. Specialty Co.'s.....50&10%
Stanley R. & L. Co.'s:
No. 64, Varnished Handles.70&10%
No. 86.....75&10%
Tower & Lyon:
Champion.....33⅓%
"Handy" Ratchet.....25%
Williamson's:
Beauty, ₩ doz.....$1.00 } 40%
Gem, ₩ doz.....90c }
C.T. Williamson Wire Novelty Co.40%

Screws—

WOOD SCREWS—

Brass, Flat Head.....90%
Brass, Round Head.....65%
Bronze, Flat Head.....87½%
Bronze, Round Head.....85%
Copper, Flat Head.....65%
Copper, Round Head.....60%
Drive Screws.....90%
Iron, Bright Flat Head.....90%
Iron, Br't R'd & Oval Head.....85%
Iron, Forged Flat Head.....90%
Nickel Plated, Flat Head.....80%
Nickel Plated, Round Head....77½%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....60%

MACHINE—

Brass, Flat Head.....45%
Brass, Round Head.....40%
Iron, Flat Head.....45%
Iron, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron, ₩ doz., 1 in., $2.75; 1⅛, $3.00; 1¼, $3.50
Bench, Wood, Beech. ₩ doz $3.00@$3.20
Chair.....60&10%
Coach.....82½%
Hand Rail Am. Screw Co.....82½%
Hand Rail, H. & B. Mfg. Co.....80%
Hand Rail, Sargent's. ...70@70&10%
Hand, Wood.....30&10@40%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W..40@40&10%
Jack Screws, Sargent's.....75%
Jack Screws, Stearns'.....40&10%
Lag Blunt Point, list Jan. 1, 1890. 75&20@80&10%
Piano Stool.....60&10%

Scroll Saws—

Barnes' No. 1, $8; No. 6, $10; No. 7 $15.....25%
Barnes Scroll Saw Blades.....40%
Cricket.....10&10%
C. E. Jennings & Co.....20%
Lester, complete, $10.00.....10&10%
Rogers, complete, $4.00.....15&10%

Scythes—

Grain.....50&10%
Grass.....50&10%
Scythe Snaths.....50&10@50&10&5%

Seeders—

Raisin, Enterprise.....25%

Shaft Couplings—

Bradley's:
Buggy, No. 8, ₩ Set.....$2.25
Surrey, No. 9, ₩ Set.....$2.80

Shears—

Acme (Cast).....40@40&5%
Ætna, Steel Japanned.....50&20%
Ætna, Steel Nickeled.....70&20%
Barnard's Lamp Trim'rs, ₩ doz. $3.75
Clauss:
Nickel.....60%
Japanned.....70%
Davenport Cutlery Co.'s...60@60&10
Heinisch's:
St. Trimmers, etc...60&10&10@70%
Tailor's Shears.....30&10@40%
Pruning. See Pr'ning H'ks & Shears.
Seymour's List, Dec., 1881. 60&10@60&10&10%
Wiss & Sons:
Japanned.....70%
Nickeled.....60%
Tailors' Shears.....50&10%
Tin Snips.....45%

Sheaves—

SLIDING DOOR—

Corbin's list.....60&10&2%
Hatfield's Pattern.....70&10@80%
M. W. Co., list July, 1895.50&10@60&5%
Stowell's Anti-Friction.....50%
Patent Roller.....60&10@60&10&5%
R. & E., list August 15, 1895. 60&10@60&10&5%
Russell's Anti-Friction, list Dec. 18, 1895.....60&2%

SLIDING SHUTTER—

Reading list.....60%
R. & E. Mfg. Co.'s.....60@60&10%
Sargent's list.....60@60&10%

Shoes, Horse, Mule, &c.—

HORSE—

Bryden's Frog Pressure.....$4.00
Burden's, Perkins', Phœnix and Bryden's, from jobb's..$3.15@$3.40
Perkins Steel Side Weight Hind $3.15@$3 40
Perkins Improved Snow.....₩ ℔ 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ ℔ 9c
1000 ℔ lots.....₩ ℔ 9½c
500 ℔ lots.....₩ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

O. Ames & Sons:
C.S. Edge.....6@7½%
Pat. Cast Steel.....7½@10%
Blair's Cast Steel.....5%
Bouve's Steel.....10%
Carter's Cast Steel.....5%
Sanderson's Cast Steel.....5%
Stone's Cast Steel.....6%
H. M. Myers and other manufacturers are now selling at Association discounts.

Shovels and Tongs—

Brass Head.....60&10@60&10&10%
Iron Head.....30&10@60&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $10@11.50

Skate Sharpeners—

Eureka...₩ doz. $1.75; ₩ gro. $18.00

Slaw Cutters—

Enterprise.....25%
Enterprise Mfg. Co.....25%
Tucker & Dorsey:
1 Knife.....₩ gro. $15.00@$18.00
2 Knives.....₩ gro $2[illegible].00 @$27.00
Kraut Cutters.....50@50&10%
Woodrough & McParlin.....40%

Slicers—

Vegetable, Enterprise.....25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Cookeye.....70&10%
Covert Mfg. Co.....45&20&5%
German, new list .40&10@40&10&10%
Fitch's (Bristol).....50%
Sargent's:
Patent Guarded.....70&10&10%
Covered Spring.....60&10%
Open Spring.....70@70&10%

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Covert Mfg. Co
Breast Strap Buckle Snaps
Breast Strap Protector....
Double for Bits or Trace Carrier.....
Loop Eye.....
Loop Eye, Swivel.....
Open Eye.....
Round Eye.....
Round Eye, Swivel..... } 45&2½ @50%
Covert Saddlery Works:
Banner.....60&20%
Triumph.....60&20%

Spoke Shaves—

Bailey's (Stanley R. & L. Co.) 50&10%
Iron.....₩ doz. 5 & 1 %
Millers Falls.....15&10%
Seymour Smith & Sons, Iron.....20%
Wm. Johnson's:
Wood, Best.....20%
Wood, 2nd Quality.....33⅓%
Wood.....₩ doz. 25&10%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10@30%
B. B. Noyes Meat Forks..50&10@60%
Buffalo S. S. & Co.....33⅓&2%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Holmes & Edwards Silver Co..60%
L. Boardman & Son.....Catalogue "B"—net List
Meriden Brit. Co. Rogers Bros.40&15%
C. Rogers & Bros.....40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....60%
Simpson, Hall, Miller & Co.....60&5%

MISCELLANEOUS—

Boardman's:
Britannia Spoons, Catalogue "B".....net List.
Nickel Silver, Catalogue "B" net List
Britannia.....60&10%
German Silver.....60&10%
German Silver, Hall & Elton..50& 5% cash
Wm. Rogers Mfg. Co.:
18% Rogers' German Silver...60&5%
22% Rogers' Nickel Silver....60&5%
Rogers' Silver Metal.....50&10&5%

Springs—

See Door Springs.

Squares—

Disston Try Square and T Bevels, 60&10%
Starrett's Micrometer Caliper Squares.....25%
Try Square and T Bevels.60&10&5 @60&10&10%
Winterbottom's Try & Mitre.50&10%
Nickel-Plated.. } 75&1 @75&1 &10
Steel and Iron.. }

Stair Rods—

Black Walnut.....60%
Brass, Oval or Hollow.....50%

Staples—

Barbed Blind—⅛, ⅜, and ¾ inch, ₩ lb.....6c@6½c
Grand Crossing Tack Co. List: 75&10%

Stocks and Dies—

BLACKSMITH'S—

Butterfield's Goods.....35@40%
Gardner.....33⅓&10%
Lightning Screw Plate.....25%
Reece's New Screw Plates.....25@30%
Waterford Goods.....3&@40%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stove.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March, 25, '95.
3% cash. Market irregular and lower prices on some lines.
American Cut Tacks.....90&10%
Carpet Tacks:
American, Blued....90&10@90&20%
American, Tinned...90&2.@90&25%
Leathered.....60%
Steel.....90&20%
Swedes, Lanc.....85&10%
Swedes, S. S.....90&25%
Swedes Iron Tacks:
Lanc.....85&10%
S. S.....90&10 &5%
Basket Tacks.....75&10%
Basket Nails.....80%
Bill Posters' and Railroad Tacks:
S. S.....90%
Brush Tacks and Nails.....75&15%
Chair Nails.....8 %
Cigar Box Nails.....75%
Common and Patent Brads.....80%
Finishing Nails.....75%
Gimp Tacks:
Lanc.....80&20%
S. S.....90&10%
Hungarian Nails.....85&10&5%
Lace Tacks.....
Lanc.....80&20%
Looking Glass Tacks.....70%
Picture Frame Points.....70%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Trunk and Clout Nails:
Black.....80&5%
Tinned.....80&10&5%
Upholsterers' Tacks:
Lanc.....80&20%
S. S.....90&10%

MISCELLANEOUS—

Bill Nye Brad Box.....₩ box $4.00
Bill Nye, Jr., Brad Box..₩ box $2.00
Bonnie Blue.....₩ box $1.50
Can Opener Carpet Tacks.₩ gr $4.00
Dble. Point.90&10&10&10&10&10%
Hammer Carpet Tacks...₩ gr $4.50
Miniature Keg Tacks..66⅔&33⅓& 10&10&2%
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓& 10&2%

Tack Pullers—

Columbia, No. 1, per doz., net.....$1
" " 2, " " .. 1.50
Little Jack.....₩ dos. $1.00

Tapes, Measuring—

American.....40&10@50%
Chestermans.....3&@3 &5%
Keuffel & Esser Co.....25%
Lufkin's Steel and metallic..30&10%

Taps—

American Screw Co.
Machine Screw.....70%
Blacksmiths' Taper.....50&10@60%
Hand and Machine.....50&10@6 %
Pipe.....80%

Telephones—

Union Electric Co.:
Letter A, Complete....each, $10.00
Letter B, for Warehouse..each, $8.50
F. o. b. cars Cleveland.

Tin, Perforated

Harrington & King Perforating Co.:
IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.50	$1.55
2	$9.00	$1.55
3	$8.25	$1.35
4	$7.75	$1.30
5	$7.50	$1.20
5½	$7.25	$1.20
6	$7.00	$1.15
7	$7.00	$1.10
8	$6.75	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).30&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&25%

Tobacco Cutters—

National Specialty Co.....30&5%

Trammel Points—

Backus and Union.....40%
C. E. Jennings & Co., "Eureka".25%
Cook's.....25%
Sargent's.....70&10@70&10&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Preatiss'.....20@25%

Tracks, &c.—

F. E. Myers & Bro.:
Comb. Car., Double Steel T...$3.50
Comb. Car., Wood Track....$3.25
Common 6 in. Wood Sheave Pulley, Fig. 433, ₩ doz.....$1.65
D. H. Fork, Steel Regular, each..75
Double Grapple Fork, each...$3.25
Double Rail Steel Track complete with clamps, ₩ ft..... .09
Faultless Steel Frame K. P Pulley, Fig. 435, ₩ doz.....$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ₩ doz.$1.75
Floor Hooks, ¾ in. ₩ doz. .65
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$2.00
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz..... .55
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz.$2.00
Malleable Rafter Brackets, ₩ doz..... .45
Nellis Fork, each.....$1.50
New Departure Sling Complete, Steel or Wood Track (includes four sling ropes).$12.00
New Myers Iron Rod Car.....$2.75
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz.....$2.25
Rev. Car., Double Steel Track $3.50
Rev. Car., Wood Track.....$3.25
Rope Hitch ₩ doz.....$1.75
Single rail Car, Single Steel T.$3.50
Single rail Steel Track with clamps, ₩ ft..... .09
Sprouts Shear Fork, each....$1.40
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1.50
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Walker Fork, each.....$1.15
Wrought Rafter Brackets, ₩ doz..... .45

Transom Lifters—

Ajax.....50&10@50&10&5%
Bronze Metal, with Safety Spg. 5 @ 0&10%
Crescent.....7 @7 &10%
Dicksons.....60%
Nickel Plated.....50&10%
Payson's Solid Grip, Nos. 3 3 and 304.....₩ 100, $12.00
Shaw's:
Copper Finished.....8 &10%
Lever.....70@70&10%

Traps—

GAME—

Blake's Patent.....60@60&10%
Enterprise Mole.....15%
Newhouse.....40&10@50&5%
Oneida Pattern.....75&5@75&10%

MOUSE AND RAT—

Enterprise Mfg. Co., Mole.....15%
Rat.....40@40&10%
Household.....₩ gr $10.00
Hotchkiss:
Metallic Mouse.....₩ dos. 65c
Improved Rat.....₩ gross, $12.50
New Rat.....₩ gross. $12.50
Mouse, Bonanza.....₩ doz 90c@$1.00
Mouse, Catch-'em-Alive ₩ d z $2.50,15%
Mouse, Delusion.....40%
Mouse, Ideal.....₩ gr $9.00
Mouse, Round Wire.₩ doz $1.50, 10%
Mouse, Wood, Choker, ₩ dos noles 10c@9c
Schuyler Rat Killer, No. 1 ₩ gro., $13 5o; No. 2 ₩ gro., $15.00
Smith & Egge Mfg. Co:
Superior Rat Trap, ₩ doz....$15.00
Yankee Mouse Trap, ₩ doz.. $5.50
Yankee Rat Trap, ₩ doz.....$11.00

FLY-

Balloon, ₩ doz $1.25.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ doz., $1.25; ₩ gr. $13.50
Harper....₩ doz., $1.75; ₩ gr. $16.50

Trowels—

Brade's Brick.....25@33⅓%
Disston's:
Brick.....30%
Plastering.....35%
Pointing.....30%
C. E. Jennings & Co.:
Brick.....30%
Plastering.....25%
Pointing.....30%
Wm. Johnson's:
Brick.....40%
Plastering.....40%
Pointing.....40%
W. & McP. Plastering....25@25&10%
Peace's Plastering.....25@25&5%
Richardson.....25@25 &10%
"Rose" Brick Plastering and Moulders.....30@30& 10%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vegetable Slicers—

Enterprise Mfg. Co. 25%

Vises—

Solid Box.....50&10@60%

PARALLEL—

Alligator.....50%
Armstrong's:
Combination.....50%
Plain and Hinge.....60%
Athol, Oval Slide.....60&10%
Bonney's Champion.....45@45&10%
Fisher & Norris Double Screw15&10%
Holland's.....40@40&10%
Howard's.....40&10%
Little Giant Bench.....35&10@5%
Lowell Hand.....33⅓%
Massey's Quick Action.....30@35%
Merrill's.....20&15%
Millers Falls, Mechanics'...net@10%
Moore's.....20%
Parker's.....20@25%
Oval Slide.....50&10%
Victor.....30%
Prentiss.....20@25%
Sargents.....7 &10%
Simpson's Adjustable.....50%
Stephens'.....20@30%
Trenton.....40&5@40&10%
Wilson'.....55%

SAW FILERS—

Bonney's Nos. 2 & 3, $15,00.....60%
Stearn's Com., No. 0, 1, 2, and 3..50%
Stearn's Rubber Jaw, Nos. 10 and 33.....33⅓%
Wentworth's.....35%

Wads—

See Ammunition.

Wagon Jacks—

Covert's Saddlery Works:
Victor.....60&20%
Daisy.....60&20%
Lane's Steel.....30%

Washer Cutters—

Otis A. Smith's.....20&10&10%

Weather Strips—

Church's:
Axtell, Lacquered, 36 in. ₩ doz. $5.00
Axtell, Lacquered, 42 in. ₩ doz. $7.00
Axtell, Pol. Brass, 36 in. ₩ doz. $12.00
Axtell, Pol. Brass, 42 in. ₩ doz. $15.00

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50@$12.00

American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft. $10.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
Americus, 9s Pen Whip, 6 ft., $6.00
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
Eureka, Two-thirds Whalebone 5½ ft., $15.00; 6 ft., $16.50 6½ ft. $18.00; 7 ft., $20.00.
Gents' Light Driving, No. 111, 6 ft.....$6.00
Gents' Light Driving, No. 106, 6 ft.....$5.0
Hand-Made Stocked Java, No. 103.....5½ ft., $3.75; 6 ft., $4.0
Hardware Assortment 10 | American, 75 Whips for.....$50.00
New Name, Stocked Java, Black and Wine Colors.....6 ft., $5.00
Team Whips....₩ doz $2.00 @$7.50
True Grip, Raw Hide Center, 4½ ft. $5.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.

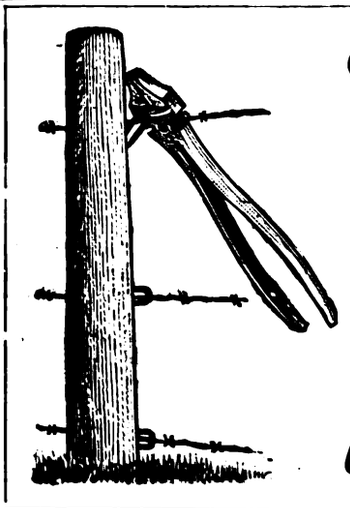
Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....35&10%

Wire and Wire Goods—

Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Brass Wire.....35%
Bright Wire Goods, Standard list 85&10@85&10 &5%
Cast Steel Wire.....50%
Copper Wire.....45%
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&10%
Malin's Brass and Copper on Spools.....50&10%
Market Wire:
Brt. & Ann., Nos. 0 to 18..80@80&10%
Cop'd, Nos. 0 to 18, 75&10@7 &10&5%
Galv., Nos. 0 to 18, 7 &10@75& 10&5%
Tin'd, Tinned list Nos. 0 to 18.... 75&10@75&10&5%
Picture Wire.....New list 35&10%
Steel Music Wire, Nos. 13 to 80, Imported, ₩ lb.....60@70c
Stub's Steel Wire.....$6.00 to $ 30%
Tate's Spooled Wire:
Annealed and Tinned.....60&10%
Copper and Brass.....50&10%
Tate's Wire Picture Cord Braided and Twisted.....35@10&10%
Tinned Broom Wire, Nos. 13 to 21, ₩ lb.....4¼c
Wire Clothes Lines, see Lines.

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CRONK'S

Combination Fencing Plier.

This newly invented fencing tool is needed by all people that build or have occasion to remove or repair wire fence, as it is made with two staple pullers, two hammers and two button cutters. They are the same heft as the 1½ Maydole Hammer, and they are made of forged tool steel. No good farmer will be without one. They are warranted to cut No. 8 hard or No. 6 soft wire. Like the celebrated Cronk Plier they are fully warranted in all respects. No. 12, 11 in. long, $12.00. Dis. . . .

CRONK HANGER CO., ELMIRA, N. Y.

Wire Cloth, Netting, &c.—

Brass Cloth.....40@55%
Galvanized Wire Netting..80&10@80&20%
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.11@$1.20
Steel Bolting Wire Cloth.....30@55

Wire Rope—

List.
Cast-steel.....2½&2¼&2⅛ cash
Iron.....20&2½&3⅛ cash
Iron, Galvanized..20&2¼&2⅛ cash

Wire Rope Clips—

Crosby.....25%

Wire Stretchers—

W. C. Heller's Grip.....₩ doz. $1.50

Wrenches—

Acme:
Bright.....60@60&10%
Heavy.....50%
Nickel.....50&10@60%
Agricultural.....30@30&10%
Aiken's Pocket (Bright)..$2.00@3.20
Alligator.....60@60&10%
Always Ready.....33⅓&5@40%
American Adjustable.....40@40&10%
Armstrong's.....40%
Baxter's.....65@65&10%
Bemis & Call's:
Brigg's Pattern.....30&10%
No. 3 Cylinder or Gas Pipe.....55%
No. 8 Pipe, Bright.....60%
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Boardman's.....30@33⅓
Champion Carriage.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
Coes':
Genuine.....40&10&5&5&3%
"Mechanics'".....40&10&10&5&5&3%
Pattern Wrought.....30&10%
Donohue's Engineer.....40&10%
Eagle Pipe.....50&10%
Expert Bicycle.....33⅓&10%
Girard Standard.....65&10@70%
Hall's Pipe.....50%
Hercules.....70&10@75%
Lamson & Sessions':
Engineers'.....60@60&10%
Standard.....70&10%
Lowell:
Lag Screw.....25%
Ratchet.....33⅓%
Socket Bridge.....20%
Stillson Pipe.....45%
Taylor Pipe and Nut.....40%
Trimo Combination.....40%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
J. H. Williams.....25%
Yankee.....45%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co., list May 1, 1894, 2%
Lovell Mfg. Co., list July 2, 1894...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%
Peerless Mfg. Co., list Feb., 1892...2%
NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in barrels..₩ gallon.....40c
Linseed, City, Boiled, in barrels ₩ gallon.....42c
Out of Town on Spot..₩ gal.....40c
Calcutta, Raw, in bbls....₩ gal. 54c
Lard, Prime City.....₩ gal. 40@42c
Western, Prime.....40@41c
Extra, No. 1.....34@3 c
No. 1.....30@ 2c

Paints and Colors—

Barytes, Foreign, ₩ ton, $15.00@$18.00
Barytes, American Floated, ₩ ton $23.00@$23.00
Barytes, American, No. 1. ₩ ton, $9.00@$10.00
White Lead, American, Dry, in bbls. ₩ ₤.....6c
White Lead, American, in Oil, ₩ ₤.....5½@6c
White Lead, Foreign, in Oil, ₩ ₤ 6@7c
Litharge, Kegs, ₩ ₤.....5¼@5½c
Zinc, American, Extra Dry, ₩ ₤ 3¾@4¼c

Putty—

In bbls. and half bbls.....1¾@1¾
Putty in Bladders.....1¾@2
Putty in Tins.....1¼@2½

Spirits Turpentine—

In regular bbls.....28½@—c
In machine bbls.....2⅞@—c

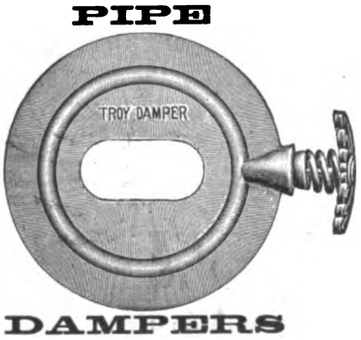
Dry Colors—

Blue, Chinese	₩ ₤	37	@40
Blue, Prussian	₩ ₤	30	@35
Blue, Ultramarine	₩ ₤	8	@25
Sienna, Italian, burnt & powd red	₩ ₤		2½@3¼c
Sienna, Italian, raw & powdered	₩ ₤		2½@2½c
Umber, Turkey, burnt	₩ ₤		2½@2¼c
Umber, Turkey, raw	₩ ₤		2½@2¼c
Green, Chrome, Common	₩ ₤	5	@12 c
Green, Paris, in bulk	₩ ₤	11	@12 c
Indian Red, American	₩ ₤	2	@ 3 c
Indian Red, English	₩ ₤		4½@8

Colors in Oil—

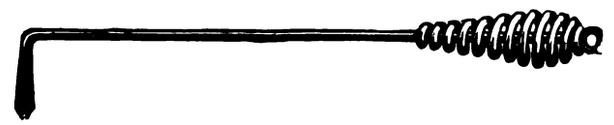
Black Coach Japan	₩ ₤		18½@20
Black Coach Japan, in Oil	₩ ₤	12	@13 c
Black Drop	₩ ₤	7	@10 c
Black Lampblack	₩ ₤	20	@33 c
Black Lampblack, common	₩ ₤	7	@15 c
Blue, Chinese	₩ ₤	35	@40 c
Blue, Prussian	₩ ₤	20	@40 c
Blue, Ultramarine	₩ ₤	12	@18 c
Brown, Sienna burt	₩ ₤	7	@10 c
Brown, Sienna, raw	₩ ₤	7	@10 c
Umber, burnt	₩ ₤	7	@10 c
Umber raw	₩ ₤	7	@10 c
Brown, Vandyke	₩ ₤	7	@12 c

PIPE DAMPERS





ALASKA, ALWAYS COLD.



STOVE LID LIFTERS, POKERS, SHOVELS, FIRE SETS.

Patentees and Sole Manufacturers,

TROY NICKEL WORKS
ALBANY, N. Y.



STEEL DOOR HANGERS.

WRITE FOR PRICES ON

No. 1 Special and No. 2 Standard.

THEY WILL INTEREST YOU.

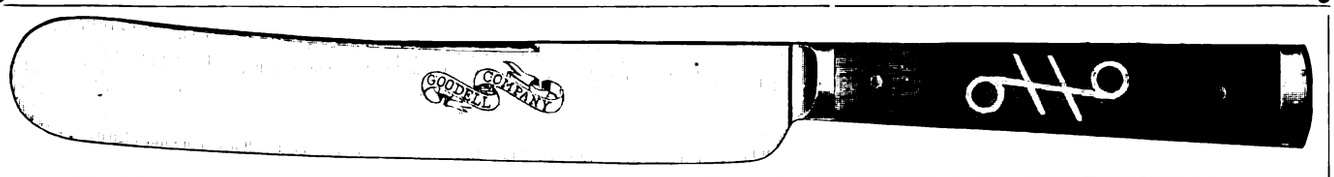
Also Track and Stay Rollers.

McKINNEY MFG. CO., - Allegheny, Pa.

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Goodell Company, Antrim, N. H.

There was a time when, because our prices were a little below normal, it seemed very natural for some dealers to believe what they were often told; namely: that our goods were "hardly up to the standard." We don't have trouble that way now, because most dealers have eyes of their own and think for themselves. **We invite comparison. . . .**

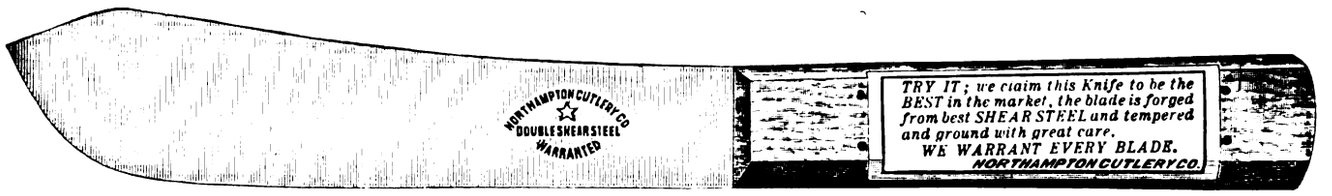


CARVERS, KNIVES and FORKS, BUTCHERS, SHOE KNIVES, STEELS, &c., &c.

AGENTS:

ALFORD & BERKELE CO., 77 Chambers St., New York.
M. G. RODEARMEL, 516 Boston Block, Minneapolis.
C. A. MAYDWELL, 23 Davis St., San Francisco.
G. W. HODGES, 216 Northern Office Bldg., Chicago.
HENRY KEIDEL & CO., 32 Hopkins Place, Baltimore.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.

New York Office and Salesroom, 96-98 Reade Street.

72 YEARS. ESTABLISHED 1825. 72 YEARS.

Celebrated **HEINISCH** Shears



ACKNOWLEDGED THE BEST

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.,

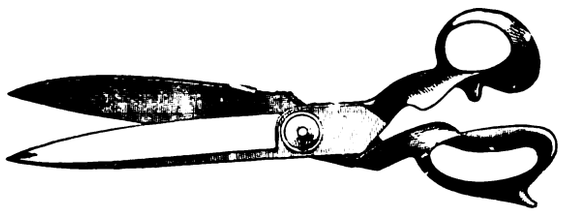
New York Office, 90 Chambers Street. NEWARK N. J.

RESULTS ARE SO SATISFACTORY.

Capewell Horse Nail Co., Hartford, Conn. [*Horse Nails*]: We have been liberal advertisers in your journal for years, and the results are so satisfactory that we expect to be much more liberal for years to come.

WHEN YOU WANT THE

Best Quality and Finest Finish



SHEARS, SCISSORS & TINNERS' SNIPS

YOU SHOULD HANDLE THOSE MADE BY

J. WISS & SONS, NEWARK, N. J.

We make the Largest line of

Tailor Shears, Trimmers, Barber Shears, Bankers', &c.

WE make a specialty of High Grade Shears suitable for Mill and Factory use. No mechanic can afford to use poor tools. Ours are the **BEST** in the line, consequently the cheapest. . .

TRADE B MARK

G.W. BRADLEY'S

SUPERIOR QUALITY

CAST STEEL TOOLS

WESTPORT CONN.

BUSH HOOKS, DRAWING KNIVES, TURPENTINE TOOLS, SHIP CARPENTERS' TOOLS, &c., &c., &c.

Goods carried in stock in New York for prompt shipments

Underhill, Clinch & Co.,

—SELLING AGENTS,—

94 CHAMBERS STREET, NEW YORK.

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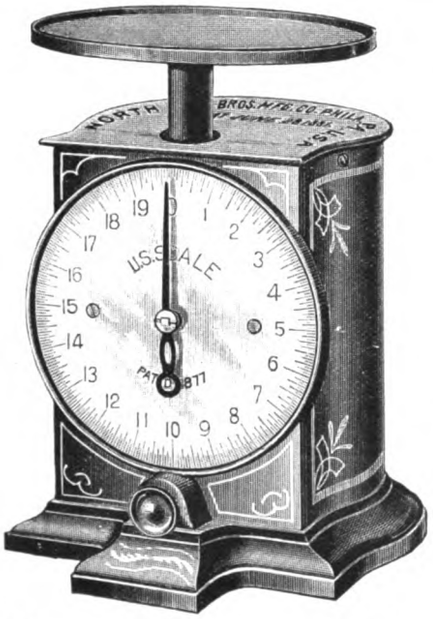
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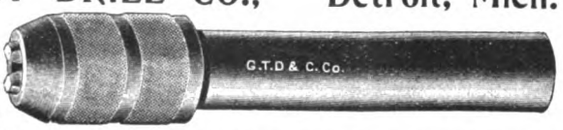
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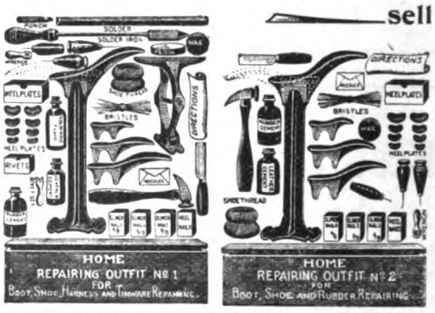


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Bruce & Cook, New York.

Manger Boxes.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Markers.
Fulton Stamp Works, New York.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.
North Bros. Mfg. Co., Philadelphia.

Mechanical Rubber Goods.
New York Belting & Packing Co., Ltd., New York.

Metal Ceilings.
Canton Steel Roofing Co., Canton, Ohio.
S. Keighley & Co., Pittsburg, Pa.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
Joseph Dixon Crucible Co., Jersey City, N. J.
John Chatillon & Sons, New York.
Meyers' Putz Pomade Co., Boston.

Milk Cans.
Buhl Stamping Co., Detroit, Mich.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Mirrors, Window.
Bayer & Co., Philadelphia.

Model Making.
Schwerdtle & Siebert, Bridgeport, Conn.
T. F. Welch & Co., Boston.

Mops.
Matchless Mop Wringer Co., Canton, Ohio.

Mop Wringers.
Matchless Mop Wringer Co., Canton, Ohio.

Moulds.
A. Adamson, Akron, Ohio.
Schwerdtle & Siebert, Bridgeport, Conn.
J. K. Williams, Akron, Ohio.

Mucilage.
Barnes National Ink Co., New York and Philadelphia.

Nails.
Bruce & Cook, New York
Fuller Bros. & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
Rockford Tack Co., Rockford, Ill.
Salem Wire Nail Co., Salem, O.
Chas. J. Stebbins, New York.

Nail Pullers.
The Scranton & Co., New Haven, Conn.

Nail Sets.
John H. Graham & Co., New York.
Storm Mfg. Co., Newark, N. J.

Nippers.
Alfred Field & Co., New York,
Charles Morrill, New York.

Office Railings.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cups.
Kendrick Valve & Washer Co., Syracuse, N. Y.

Oilers.
Chapman & Denison, New York.
Tower & Lyon, New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Iron Work.
E. T. Barnum, Detroit, Mich
Stewart Iron Works, Cin'nati, O.

Ovens.
Monarch Stove Co., Mansfield, O.
Union Heater Supply Co., Detroit, Mich.

Packing.
Gould Packing Co., East Cambridge, Mass.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Canton Steel Roofing Co., Canton, Ohio.
William Connors, Troy, N. Y.
Jos. Dixon Crucible Co., Jersey City, N. J.

Patents.
Hot Coffee Dinner Pail Co., Newark, N. Y.

Patent Solicitors
Dyer & Driscoll, New York.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Cutters.
Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
C. E. Jennings & Co., New York.
Stanley Rule & Level Co., New Britain, Conn.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Pleasure Wheels.
Strobel Mfg. Co., Marion, Ohio.

Pliers.
Cronk Hanger Co., Elmira, N. Y.
Alfred Field & Co., New York.

Poles.
Geo. S. Parkes & Co., Nashville, Tenn.

Police Equipments.
Tower & Lyon, New York.

Polish.
John Chatillon & Sons, New York.
Joseph Dixon Crucible Co., Jersey City, N. J.
Meyers' Putz Pomade Co., Boston.
J. L. Prescott & Co., New York.

Post Hole Diggers.
John H. Graham & Co., New York.
F. E. Kohler & Co., Canton, Ohio.

Poultry Netting.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.

Power Hammers.
The Scranton & Co., New Haven, Conn.

Power Presses.
Vieillard & Osswald, Brooklyn, N. Y.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Vieillard & Osswald, Brooklyn, N. Y.

Prismatic Sidewalks.
Stewart Iron Works, Cin'nati, O.

Pulleys.
F. E. Myers & Bro., Ashland, Ohio.
Ney Mfg. Co., Canton, Ohio.

Pumps.
Chase Pump & Mfg. Co., Columbus, Ohio.
John H. Graham & Co., New York.
F. E. Myers & Bro., Ashland, O.
Pittsburgh Pump Co., Pittsburgh, Pa.
St. Joseph Pump Mfg. Co., St. Joseph, Mo.
Union Heater Supply Co., Detroit, Mich.

Punches.
Alfred Field & Co., New York.
F. J. Mattison, New York.
Charles Morrill, New York
Smith & Egge Mfg. Co., Bridgeport, Conn.

Radiator Deflectors.
J. Rutherford & Son, Akron, Ohio.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Stewart Iron Works, Cin'nati, O.

Rails, Barn Door.
McKinney Mfg. Co., Allegheny, Pa.

Raisin Seeders.
Enterprise Mfg. Co., Philadelphia.

Rakes.
John H. Graham & Co., New York.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.

Ranges.
Monarch Stove Co., Mansfield, O.
Taplin, Rice & Co., Akron, Ohio.

Rat and Mouse Traps.
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Refrigerator Door Fasteners.
P. J. Conroy & Co., Philadelphia.

Reels.
Hartzell Novelty Works, Alliance, Ohio.

Registers.
Stowell Mfg. & Fdry. Co., So. Milwaukee, Wis.

Repairing Outfits.
Root Bros. Co., Plymouth, Ohio.

Rivets.
Bruce & Cook, New York.

Rollers.
Fulton Machine Co., Canal Fulton, O.

Roller Skates.
Tower & Lyon, New York,
Union Hardware Co., Torrington Conn., and New York.

Roofing and Roofers' Supplies.
Berger Bros., Philadelphia.
L. D. Berger, Philadelphia.
Canton Steel Roofing Co., Canton, Ohio.

Roof Trusses, Iron.
Stewart Iron Works, Cin'nati, O.

Rubber Belting.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rules.
Athol Machine Co. Athol, Mass.
Darling, Brown & Sharpe, Providence, R. I.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Safe Deposit Companies.
National Safe Deposit Co., N. Y.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Tower & Lyon, New York.

Sash Cord.
Samson Cordage Works, Boston.
Tower & Lyon, New York.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
W. & E. T. Fitch Co., New Haven, Conn.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
C. E. Jennings & Co., New York.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Sets.
E. C. Atkins & Co., Indianapolis, Ind.
F. E. Kohler & Co., Canton, Ohio.
Charles Morrill, New York,

Saw Tools.
E. C. Atkins & Co., Indianapolis, Ind.

Scales.
John Chatillon & Sons, New York
North Bros. Mfg. Co., Philadelphia.
Pelouze Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scrapers, Wheel.
Sidney Steel Scraper Co., Sidney, O.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co. Georgetown, Conn, New York Chicago.
Sickels & Nutting Co., New York.

Screws
Sickels & Nutting Co., New York

Screw Cutting Tools.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
John H. Graham & Co., New York.
Tower & Lyon, New York.
Tuck Mfg. Co., Brockton, Mass.

Screw Plates.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Shade Lines.
Samson Cordage Works, Boston.

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Geo. S. Parkes & Co., Nashville, Tenn.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
Seymour Cutlery Co., Holyoke, Mass.
J. Wiss & Sons, Newark, N. J.

Sheet Brass.
Waterbury Brass Co., New York.

Sheet Steel.
Dunbar Bros., Bristol, Conn.

Shelf Boxes.
W. C. Heller & Co., Montclair, N. J.
Henry H. Sheip & Co., Philadelphia.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.

Shovels.
Underhill, Clinch & Co., N. Y.

Sign and Price Markers.
Fulton Stamp Works, New York.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Single Tube Tires.
New York Belting & Packing Co., New York.

Sink Cleaners.
John W. Sudlow, Brooklyn, N. Y.

Skates.
John H. Graham & Co., New York.
Sickels & Nutting Co., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Skylights.
George Hayes, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Smoke Pipe Registers.
Ferrosteel Co., Cleveland, Ohio.

Solder.
Bruce & Cook, New York.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Spokes.
Geo. S. Parkes & Co., Nashville, Tenn.

Spoke Shaves.
Stanley Rule & Level Co., New Britain, Conn.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
Dunbar Bros., Bristol, Conn.
Miller & Van Winkle Co, Brooklyn, N. Y.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Stairs, Iron.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O

Stamps.
Schwerdtle & Siebert, Bridgeport, Conn.

Staples.
Salem Wire Nail Co., Salem, Ohio

Statuary.
E. T. Barnum, Detroit, Mich.

Steel Goods.
Canton Steel Roofing Co., Canton, Ohio.
Finished Steel Co., Youngstown, O.

Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Stencils.
Schwerdtle & Siebert, Bridgeport, Conn.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Indiana Ladder Co., Indiana, Pa.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Alfred Field & Co., New York.
Holroyd & Co., Waterford, N. Y.
F. E Myers & Bro., Ashland, Ohio.

Store Fixtures.
Hartzell Novelty Works, Alliance, Ohio.

Stoves.
T. W. Houchin, New York.
Monarch Stove Co., Mansfield, O.
Taplin, Rice & Co., Akron, Ohio.

Stove Mittens.
Diamond Hardware Co., Boston.
Parks & Paras, Troy, N. Y.

Stove Polish.
Joseph Dixon Crucible Co., Jersey City, N. J
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.
Logan & Strobridge Iron Co., New Brighton, Pa.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co.' Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Structural Iron Work.
Stewart Iron Works, Cin'nati, O.

Tackle Blocks.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Ney Mfg. Co. Canton, Ohio.
Union Hardware Co., Torrington Conn

Tacks.
Rockford Tack Co., Rockford, Ill.

Tack Pullers.
Higgins Mfg Co., Boston.
Knapp & Pratt Mfg. Co., Geneva, Ohio.

Tailors' Irons.
Union Heater Supply Co, Detroit, Mich.

Tape Measures.
Waterbury Brass Co., New York.

Taps and Dies.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.
Holroyd & Co., Waterford, N. Y.

Tap Wrenches.
J. M. Carpenter Tap & Die Co., Pawtucket, R. I.

Targets.
Cleveland Target Co., Cleveland, Ohio.

Tiling.
New York Belting & Packing Co., Ltd., New York.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tires Rubber.
New York Belting & Packing Co., New York.

Toilet Paper.
A. P. W. Paper Co., Albany, N. Y.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Detroit Twist Drill Co., Detroit, Mich.
Alfred Field & Co., New York.
Hammacher, Schlemmer & Co. New York.
Th. M. Hass, New York.
Holroyd & Co., Waterford, N. Y.
C. E. Jennings & Co, New York.
Standard Tool Co., Cleveland, O.
Stanley Rule & Level Co., New Britain Conn.
Tuck Mfg. Co., Brockton, Mass.
Underhill, Clinch & Co., New York.
Whitman & Barnes Mfg. Co., New York, Cincinnati, Chicago, Kansas City.

Traps.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
John H. Graham & Co., New York.
Smith & Egge Mfg. Co., Bridgeport, Ct.

Trowels.
E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Sons, Philadelphia.
C. E. Jennings & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
National Saw Co., Newark, N. J.

Trucks, Store.
Boston & Lockport Block Co., Lockport, N. Y.
John Chatillon & Sons, New York.
John H. Graham & Co., New York.
Sidney Steel Scraper Co., Sidney, Ohio.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Tubing.
New York Belting & Packing Co., Ltd., New York.
Pope Tube Co., Hartford, Conn.

Valves.
Berger Bros., Philadelphia.
Kendrick Valve & Washer Co., Syracuse, N. Y.
F. E. Myers & Bro., Ashland Ohio.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Varnishes.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scotland.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
Alfred Field & Co., New York.
Howard Iron Works, Buffalo, N. Y.
Tower & Lyon, New York.
Van Wagoner & Williams Hardware Co., New York.

Wagon Jacks.
Lane Brothers, Poughkeepsie, N. Y.

Wagon Umbrellas.
Sprague Umbrella Co., Norwalk, Ohio.

Washers.
Kendrick Valve & Washer Co. Syracuse, N. Y.

Washing Machines.
W. R. Harrison & Co., Massillon, Ohio.
Strobel Mfg. Co., Marion, Ohio.

Watchman's Clocks.
E. O. Hausburg, New York.
E. Imhauser, New York.
Nanz & Co., New York.

Wax Tapers and Torches.
T. W. Houchin, New York.
Union Heater Supply Co., Detroit, Mich.

Wheelbarrows.
Akron Cultivator Co., Akron, O.
Arnold Metal Wheel Co., New London, Ohio.
Bryan Mfg. Co., Bryan, Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Sidney Steel Scraper Co., Sidney, Ohio.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.

Window Screens.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
John H. Graham & Co., New York.
Sickels & Nutting Co., New York.

Window Stop Adjusters.
Taplin Mfg. Co., Forrestville, Ct.

Wire, Manufacturers.
Bruce & Cook, New York.
Dunbar Bros., Bristol, Conn.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago San Francisco.
Salem Wire Nail Co., Salem, Ohio.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton Mass.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Goods Manufacturers.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Fuller Bros. & Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
T. F. Welch & Co., Boston.
Wright & Colton Wire Cloth Co. Worcester, Mass.

Wire Gates, Fences and Fencing.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Indiana Wire Fence Co., Crawfordsville, Ind.
Stewart Iron Works, Cin'nati, O.
Wright & Colton Wire Cloth Co. Worcester, Mass.

Wire Lathing.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wire Nails.
Bruce & Cook, New York.
Salem Wire Nail Co., Salem, Ohio

Wire Work.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wrenches, Manufacturers.
Armstrong Mfg. Co., Bridgeport, Conn.
Coes Wrench Co., Worcester, Mass.
John H. Graham & Co., New York.
F. E Myers & Bro, Ashland, Ohio.
Tower & Lyon, New York.

Wrought Butts.
Bommer Bros., Brooklyn, N. Y.
Reading Hardware Co., Reading Pa.

Zinc.
Bruce & Cook, New York.

Zinc, Perforated.
Harrington & King Perforating Co., Chicago.

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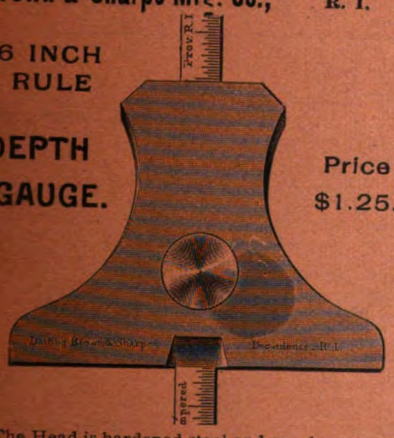
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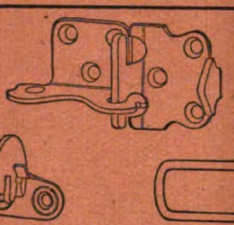
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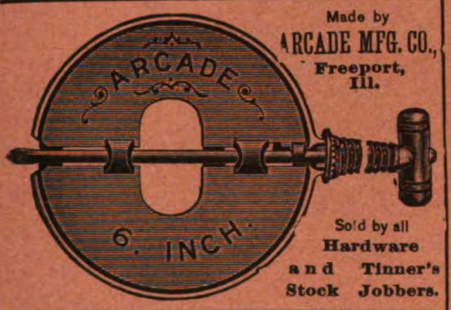
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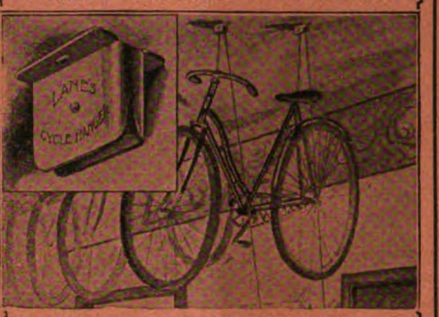


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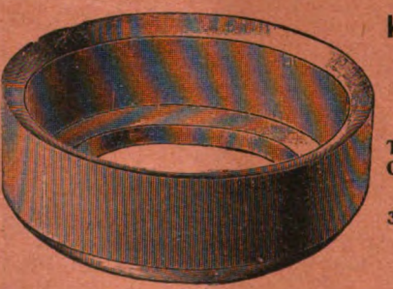
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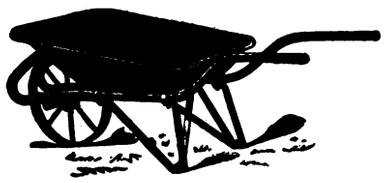
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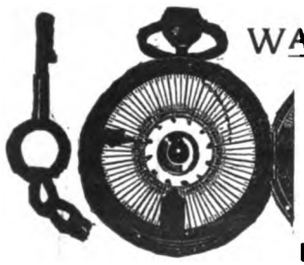
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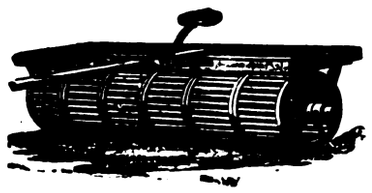
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. . Manufacturers of . .

Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

PERCUSSION CAPS OF ALL KINDS.

Hicks Primers, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES,

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

QUADRUPLE Your Spring Sales

STANDARD FIBER-WARE COMPANY. MANKATO, MINN. TRADE MARK.

In these lines by stocking up with **plain** and **decorated** **"STANDARD" WATER PAILS, DAIRY PAILS, CHAMBER PAILS, CUSPIDORES, &c.,** for Office, Lobby, Hotel, Hall and Home.

WASH BASINS. SLOP JAR MATS.

Made of **strong fiber, wound,** and **steel bound,** they do not split open, nor chip off at edges, neither do their truss bottoms warp, loosen or leak.

All "Standard" goods are **waterproofed throughout,** and then **indurated by oxidation** until **absolutely unsoakable.**

"Standard" is the only Fiber-Ware having **hand-painted decorations,** which, with its other merits, makes it outsell all similar ware.

Catalogue and price list, with full particulars, sent to dealers on application to the above company.

It's the Only STEEL TRAY

Sold at Same Price as Wood.

Why certainly you want it, because everybody is buying it.

WHY?

Ask the Trade that has had it.

Bryan Manufacturing Co., BRYAN, OHIO, U. S. A.



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Disston's Superior Files.

The Steel used in these Files is manufactured by our own steel works. They are cut by skilled mechanics on our own improved machinery, hardened by a special process which insures an even temper.

Each File is carefully inspected before leaving the factory.

We Guarantee the quality of our Files to be equal to that of our Saws. . . . . .

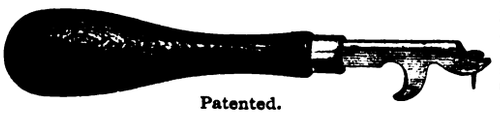
IF YOU CANNOT BE SUPPLIED WRITE US.

Highest Award given our Files wherever exhibited

Henry Disston & Sons, Incorporated,

Philadelphia, Pa.

"Happy Thought" Tack Puller.



Patented.

Made of polished steel. Will pull all size tacks, and the construction and shape makes it easy to pull the tack without breaking the heads off. The bottom hook which serves as the lever in drawing the tack is also convenient to lift the carpet from the floor. One trial will prove that the "Happy Thought" is the best. The price, 10 cents, brings it in reach of all. For sale by all leading Hardware dealers. This is a fine seller, and we will send a sample to the trade on receipt of a two-cent stamp. Manufactured by the

HIGGINS MANUFACTURING CO., WINCHESTER, MASS.

TRUCKS OF ALL KINDS.
A. ADAMSON
MACHINIST.
Corner Exchange and Water Streets,
AKRON, OHIO.

General Machine Work, Molds for Bicycle Tires, Air Goods, Druggists' Sundries, Matrices for Hard Rubber Goods, Die Sinking. Hydraulic Presses, Special Machinery, etc. Estimates cheerfully given. Correspondence solicited. Work promptly done.

Rubber Machinery

Hardware Dealers

Buy lead pencils, carpenters' pencils, lumbermens' crayons, stove polish, graphite paint, lubricating graphite, belt dressing, crucibles and other graphite products of

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.

Who are the largest and oldest importers, miners and manufacturers of graphite, plumbago and blacklead in the world.

WAGON UMBRELLAS and BUGGY CANOPIES.

Everything in that line.
Our motto: "Keep a-goin'."
Especial attention invited to

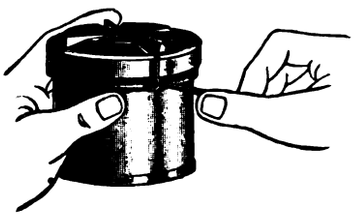
Sprague's Patent Giant Frame Wagon Umbrella.

It is the Strongest Umbrella on the globe.
Write to us, and let us prove it.

SPRAGUE UMBRELLA CO.,
Norwalk, Ohio.



It Doesn't Burn off.

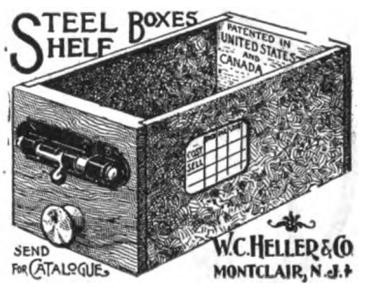


Gillespie's Elastic Iron Enamel is practically indestructible, and is unequalled for use on Stove Pipes, Registers, Grates, Locomotive Smoke Stacks, etc. This is the season of the year when its sale in pint and half-pint cans to the household trade is enormous.

Your stock is not complete without it. Write for jobbers' special discount, and send us a sample order.

Chas. H. Gillespie & Sons,

Varnish Makers, 125 to 137 Dey St.
Jersey City, N. J. Established 1824.



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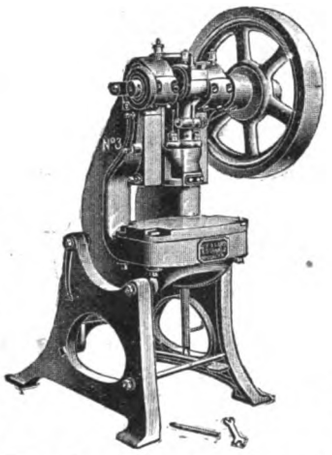
SHELF BOXES { MADE TO ORDER. ESTIMATES FURNISHED.

HENRY H. SHEIP & CO.,
Columbia Ave. and Randolph St.,
PHILADELPHIA.

"Replies From All Sections."

McIntosh-Huntington Co., Cleveland, Ohio. [*General Hardware and Bicycles*]: As an advertising medium, we have recently had occasion to test HARDWARE in a manner that would give us some idea as to how successful it can be used. Our advertisement did not occupy a very prominent position, but was of a character to excite the cupidity of the reader. We found that within two days after your paper came out, we commenced to receive replies from all sections of the country to the advertisement. This would seem to be sufficient proof that yours is a good medium.

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VIEILLARD & OSSWALD,

Manufacturers of

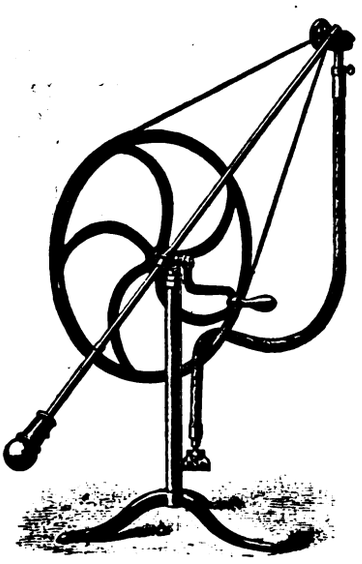
PRESSES AND DIES AND SPECIAL MACHINERY

FOR THE WORKING OF SHEET METAL

Dies for Sheet Steel Stampings a Specialty.

708-710 Jamaica Avenue, BROOKLYN, N. Y., U. S. A.

WRITE FOR PRICES.



OVER 2000 MACHINES SOLD IN SIX MONTHS.

1000 Machines and 10,000 Cutters in Stock.

Highest Prize at World's Fair. The original and only absolutely flexible shaft on the market. . . . . .

ADVANCE ORDER FOR

3000 IN EUROPE ALONE.

. . CATALOGUE SENT FREE TO ALL . .

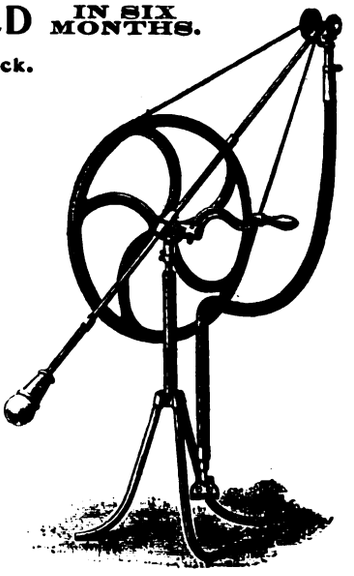
SHOWING OUR DIFFERENT STYLES OF

Steam, Electric, Foot & Hand Power

HORSE CLIPPING MACHINES.

Gillette Clipping Machine Co.,

110, 112 & 114 West 32nd St., New York.



5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c

NICKEL PLATING

LACQUERS, CYANIDE POTASH, NICKEL SALTS.

ESTAB. 1822. INCOR. 1881.

THE HANSON & VAN WINKLE CO.

OFFICE NEWARK, NEWYORK. AND WORKS N.J., U.S.A. CHICAGO.

TRIPOLI, ROUGE, BUFFS, & C.

OUTFITS

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It Leads them all. . .

Our '78 Apple Parer is known everywhere as the Standard parer. Other celebrated parers are:

'72 Apple Parers,
"Baldwin" Apple Parers,
"Advance" Parer, Corer and Slicer.

NEW YORK PHILADELPHIA CHICAGO.



ATHOL MACHINE CO.,

Athol, Mass., U. S. A.

Manufacturers of

Vises, Meat Choppers,
Mechanics' Fine Tools, &c.

Send For Catalogue.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

We carry in stock 126 sizes and kinds of

SHOVELS, SPADES AND SCOOPS



MANUFACTURED BY

Oliver Ames & Sons Corporation.

Send for our Shovel Catalogue showing goods carried in stock.

Akron Tubular Steel Wheelbarrows.

RE-INFORCED TRAYS.

SOLID FRAME.

NO HOLES DRILLED INTO IT.
ALL PARTS CLAMPED ON.

Perfect Forward Dump.
Strongest, Easiest Handled.
Lightest and Most Durable.

McNEIL'S PATENT BALANCED AUTOMATIC DUMP CHARGING BARROW.



The Akron Cultivator Co.,

MANUFACTURERS, Akron, Ohio.

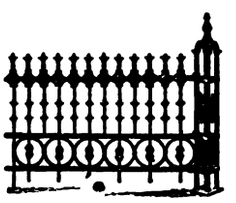
WE WANT AGENTS TO SELL OUR **IRON FENCE**

We furnish first-class work at prices that bring the trade. Write for Catalogues, Prices and Terms

The Stewart Iron Works,

CINCINNATI, O.

Manuf'rs of Iron Fence, Jails, Architectural and Ornamental Iron Work.





FLOWER-POT STANDS

OF ALL KINDS.

SEND FOR CATALOGUE.

Iron Fencing, Entrance Gates,

FIRE ESCAPES, JAIL CELLS, ROOF CRESTING, BANK and OFFICE RAILINGS, GRILLES,



AND ALL KINDS OF WIRE & IRON WORK.

E. T. BARNUM, DETROIT, MICH.

Agents Wanted Mention this paper.

OHIO AND SAMSON

ARE THE BEST

Mounted Grindstones

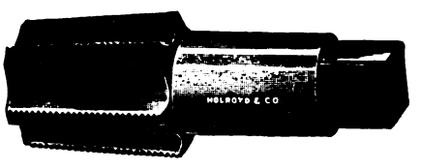
ON THE MARKET.

Send for Catalogue C 2 illustrating them, and other Mounted Grindstones, Scythe Stones, &c.

THE CLEVELAND STONE CO.,

Hickox Building. Cleveland, O.

Hardware Dealers Send us your address and we will mail Catalogue and discount sheet of **STOCKS & DIES, TAPS, etc.**



Holroyd & Co.,

Waterford, N. Y.

RESULTS VERY SATISFACTORY.

Charles Weiland, New York. [*General Hardware*]: I have been a constant advertiser in every issue of your paper since its incipiency. The results derived through the advertisements in your paper have been very satisfactory.

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"EVERYTHING IS COMING UP."

BUSINESS IS BETTER AND THERE WILL BE A LARGER DEMAND THAN EVER FOR OUR

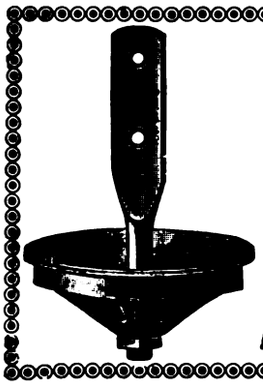
Sheep-Skin Mitten.



Acknowledged to be the best article for polishing stoves, as it does away with the old time dirtiness of the work, making this work a pleasure. Also invaluable for polishing brass or glass, or silverware, which it does not scratch. For tan shoes and cleaning bicycles it has demonstrated itself a conspicuous success.

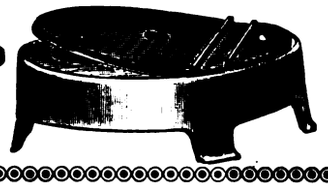
Diamond Hardware Co.,

624 Atlantic Ave., Boston, Mass.



Valves and Plungers.

Only the very best leather and rubber are used in these goods and all are carefully and evenly fitted, making them the best of their kind. . .



BERGER BROS.,

PHILADELPHIA, PA.

THE "DIAMOND" 'W. & B." UNIVERSAL SELF-OILING DRILLS.

STYLE "A." STYLE "B."



Furnished with either Straight or Taper Shanks, any length desired. Three Styles.

Send for Descriptive Matter and Special Discounts. MANUFACTURED ONLY BY

THE WHITMAN & BARNES MANUFACTURING CO.,

NEW YORK, N Y. CINCINNATI, OHIO. CHICAGO, ILL. KANSAS CITY, MO.



We can furnish you with

Staple Goods.

Such as **Wire Nails, Fence Staples, Plain and Galvanized Smooth Wire, Painted and Galvanized Barbed Wire.**

THE SALEM WIRE NAIL CO., Salem, Ohio.

New York Office, 277 Broadway.

DETROIT TWIST DRILL CO., Detroit, Mich.

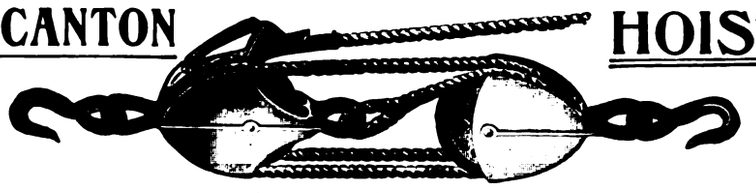
Sole Manufacturers of

Graham Grooved Shank System of Chucks and Drills.

. . . SEND FOR CATALOGUE.



The CANTON HOIST



Can be used perpendicularly, horizontally, and at any angle. . . .

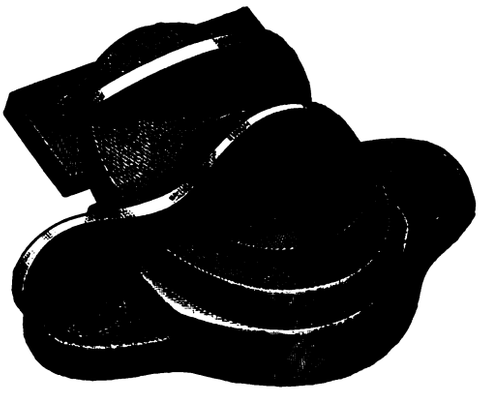
In factories of all kinds, foundries, quarries, mills and warehouses; also by contractors, carpenters, stone masons and all classes of mechanics. Manufactured by

THE NEY MFG. CO., CANTON, OHIO.

New Stamped Metal Sash Lock,

In Cold Rolled Steel, Bronze and Brass. In all the Popular Finishes.

LOCKS OPEN. LOCKS CLOSED.



The Ives Patent Sash Locks,

Have acknowledged superiority for the complete manner in which they perform the work they are intended to do. . . .

PATENTED AND PATENTS PENDING.

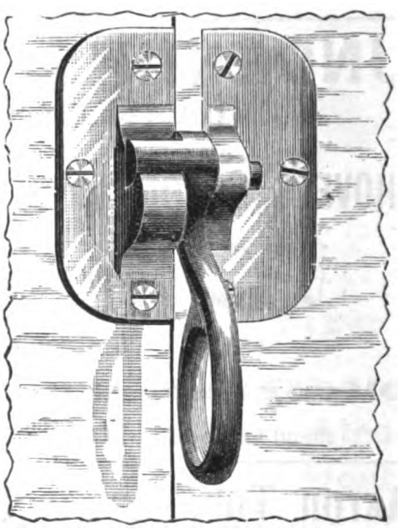
MANUFACTURED BY

HOBART B. IVES & CO.,

New Haven, Conn.

The CONROY PATENT Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

Beware of Infringements. Paschall, Phila.

PLEASED with RESULTS.

John N. Hager, Fort Atkinson, Wis. [*Fork, Shovel, Rake and Hoe Brackets*]: Am well pleased with the results of my advertisement in HARDWARE.

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CATALOGUE FREE



GET OUR REDUCED PRICES



WELL TANK & SPRAY PUMPS

HAY CARRIERS, FORKS, PULLEYS &c.



F. E. MYERS & BRO.
FULGEAR.CIN.
ASHLAND, OHIO.

BRUCE & COOK,

TIN PLATES AND METALS,

186, 188 and 190 Water St.,
248 and 250 Pearl St.,
NEW YORK.

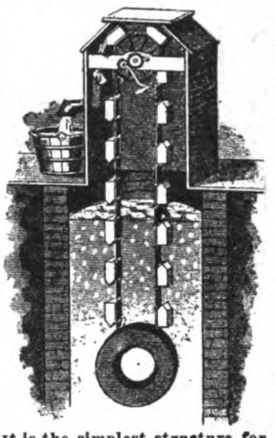
We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

THE ONLY "PERFECTION" WATER ELEVATOR AND PURIFYING PUMP



Dealers, get in line and sell your trade an article you can guarantee for ten years. The chain or buckets is the principal factor in any elevator. The **Perfection Bucket** is cut by die in one piece of **Black Open Hearth Steel** folded together by double lap seams, and the entire chain **Galvanized** after **Construction.** Others are made of several pieces of galvanized iron soldered together. Simply this one feature is a sufficient guarantee that the **Perfection** has no equal. It is handled by all leading jobbers throughout the world. Call for the **Perfection.** Take no substitute.

It is the simplest structure for raising water on the continent; guaranteed never to freeze. . .

For full particulars, circulars, etc., address the sole manufacturers.

St. Joseph Pump & Mfg. Co., St. Joseph, Mo., U. S. A.

. . . THE . . .

CHASE PUMP & MFG. CO.,

Manufacturers of the Most Complete Line of

DOUBLE-ACTING FORCE LIFT and WIND MILL PUMPS



On the Market.

The ONLY Pump with ALUMINUM VALVE SEAT.

Write for Catalogue and Prices.

THE CHASE PUMP & MFG. CO.,

Mention this paper. COLUMBUS, OHIO.

BRANCH HOUSES:

SCOBIE & PARKER, Pittsburg, Pa.
PARLIN & ORENDORFF CO., St. Louis, Mo.



PITTSBURGH PUMP CO.

MANUFACTURERS OF ALL KINDS OF

FORCE LIFT SPRAY TANK **PUMPS**

SEND FOR CATALOGUE

322 LIBERTY ST. PITTSBURGH PA.

HAVE BEEN WELL SATISFIED.

Buffalo Cycle Co., Buffalo, N.Y. [*Bicycles*]: We are pleased indeed to add our testimonial to the merits of HARDWARE as an advertising medium. We have been extremely well satisfied with our advertising therein, although of course it is impossible for any manufacturer to trace the ratio of direct results from any one paper. . . . . .

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SAWS

BUY ONLY THE BEST
at Prices to Beat the World.
MAKE NO MISTAKE.
40 years' reputation is guarantee enough as to the high standard of the BEST SAWS MADE.

Hand, Back, Butcher, Cross Cut, Wood, Circular, Mill and Band Saws, Celebrated W. & McP., Cincinnati, Plastering Trowels.

OPERATING
RICHARDSON BROS.
WHEELER MADDEN & CLEMSON MFG. CO.
HARVEY W. PEACE CO.
WOODROUGH & McPARLIN.

SAWS

Write for Lists and Prices.

THE NATIONAL SAW CO.
NEWARK, N. J.

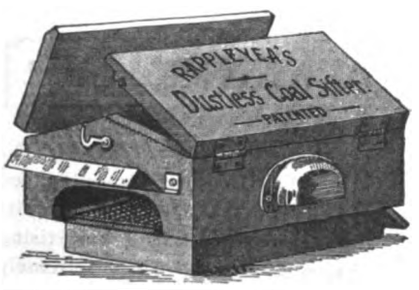


THESE may seem hot subjects for this season, but it is the time to talk about them.

Kitchen Sets,
FIRE IRON STANDS,
Fire Pokers,
STOVE LID LIFTERS

We have a large line and our prices are low. . . .

Lgoan & Strobridge Iron Co.,
NEW BRIGHTON, PA.

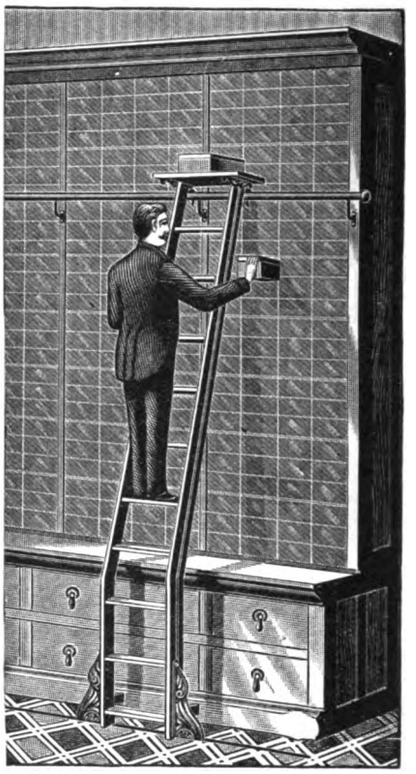


Rapplegea's Dustless Ash Sifter
WILL LAST A LIFETIME.
Price, Complete, $1.00.
MANUFACTURED BY . . .
THE NEWBURGH SIFTER MFG. CO.,
Newburgh, N. Y.
E. F. BENSON, JR.,
SOLE NEW ENGLAND AGENT,
146 Franklin St., Boston, Mass.

J. K. WILLIAMS,
MACHINE SHOP.
210 CHERRY STREET,
AKRON, OHIO.

Special Machinery
Estimates made on all kinds of Special Machinery, Boiler Tube Expanders, Bicycle Tire Moulds, Moulds for all kinds of Rubber Goods, Hangers, Shafting, Clay Working Machinery, etc. Write for Estimates. . . . . .

The Bicycle Step Ladder
Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Higbest Award World's Fair. Write us.

The Bicycle Step Ladder Co.,
50 STATE STREET, CHICAGO, ILL.

AGENCIES:
Eastern Agent, H N. YOUNGS, 308 W. 22nd Street, New York City.
New York and vicinity, E J. HUSSEY & Co., 80 John Street, New York City.
California, JOHN WOODLOCK, 26 Beale Street, San Francisco, Cal.
Northwestern States, HOWE SCALE Co., Portland, Oregon.
Texas and Southwest, ED. FOY, Dallas, Tex.

PARKS STOVE POLISHING MITTEN.



Best Made.
Write for Prices.
PARKS & PARKS, TROY, N. Y.



"ERIE" ALUMINUM
For Christmas
"ERIE" ALUMINUM,
The Finest Ware.
GRISWOLD MFG. CO., Erie, Pa.

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A GOOD THING.

IT'S IN THE TEETH.

The Patent "REFORM" Curry Comb is composed of three shallow, oval trays, with corrugated edges. The parts are struck up from a fine grade of cold rolled steel, heavily tinned and bronze lacquered, firmly riveted together and warranted not to rust. The outer dimensions are 6½x4¼ inches and by reason of the large cleaning surface and peculiar arrangement of teeth, the comb will do its work with a large saving of time and labor, cleaning with equal thoroughness both long and short coats. There are no places to accumulate hair and it will not tear or injure the brush, the comb being quickly freed from accumulation by giving its face a gentle tap.



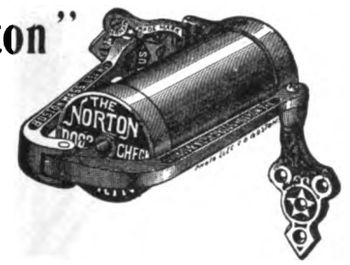
NEW YORK STAMPING CO.,

SOLE MANUFACTURERS,

North Eleventh and Berry Sts., BROOKLYN--GREATER NEW YORK

THE "Norton"

Address 505 SEARS BUILDING, BOSTON, MASS.



An Air Check.

A Good Seller.

DOOR-CHECK and Spring.

WRITE FOR PRICES.



BICYCLES

. . . *Manufactured by*

Ames Mfg. Co.

HIGH AND MEDIUM GRADES,

$100, $85, $75, $60.

Send for Catalogue.

ADDRESS

AMES MFG. CO., Chicopee, Mass.

MODERN CLIMAX. NEW STEEL RANGE.

In both Portable and Flush Reservoir style. Popular sizes.



Taplin, Rice & Co., Mfrs., Akron, Ohio.

To Bicycle Riders.

WE MAKE OUR TUBE OF FIFTY CARBON STEEL

Because a Tube like this of our .50% CARBON STEEL Is just as strong as a Tube like this of .25% CARBON STEEL

While weight for weight in a Bicycle our FIFTY CARBON Steel will last so long [redacted] and TWENTY-FIVE CARBON Steel will last only so long [redacted]

NOTE THE FULL IMPORT OF THE PARALLEL LINES.

The comparison which they graphically make indicates the result of the prolonged investigations of the most practical experts of the world.

That the tests in our own laboratory corroborate these results is merely so much to its credit; that the same is true of actual trial on the road equally proves the trial to have been made in bicycles of correct design and construction. THE FACT REMAINS.

The margin of safety is greatly increased by the use of this tube. Every bicycle manufacturer should use it; every dealer should insist on having it; every rider should demand it. Send for catalogue.

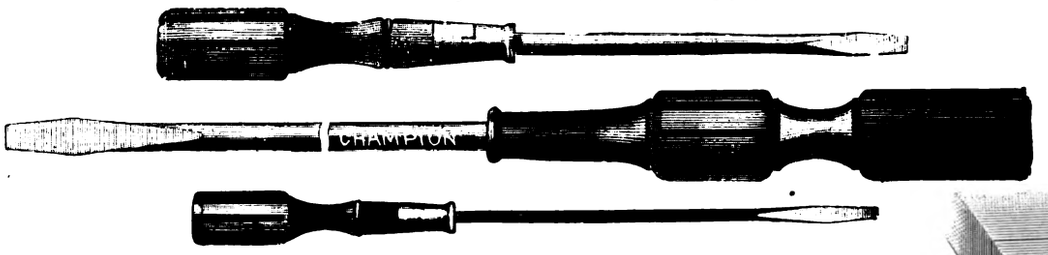
THE POPE TUBE CO., Hartford, Conn.

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CARPENTERS AND MACHINISTS' TOOLS.

TOWER'S CHAMPION SCREW DRIVERS.

Machinists', Cabinet and in sets.

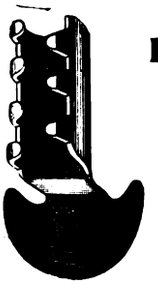


See that the word "CHAMPION" is on each Screw Driver.

There are plenty of imitations to deceive.

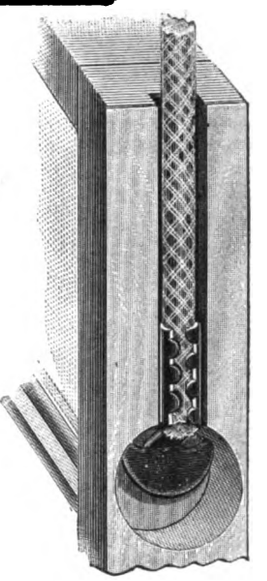
STEPHENS' PAT. VISES.





PHILLIPS'

Sash Cord,
Sash Weight,
Sash Chain
and
Sash Ribbon
Fasteners.



Shows Fastener in use.

TOWER & LYON,

95 CHAMBERS and 77 READE STS., NEW YORK.

MANUFACTURERS . . .

PADLOCKS, POLICE GOODS, ETC.

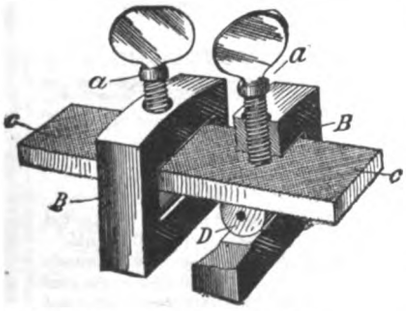
ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE,
CALLED THE
DONOGHUE RACING SKATE.
Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener



A New and Useful Article Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. **Torrington, Conn.**

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MORRILL'S Perfect Saw Sets.

BENCH STOPS.

UNIVERSAL PUNCHES.

TRADE MARK

CAR SEALERS.

CUTTING NIPPERS.

This Trade Mark is stamped on all Saw Sets and other Hardware Specialties of my make.

CHARLES MORRILL, 35 Warren Street, New York.

E. C. ATKINS & CO., Indianapolis, Ind

MANUFACTURERS.

BRANCH HOUSES:
Memphis, Tenn.
Chattanooga, Tenn.
Minneapolis, Minn.

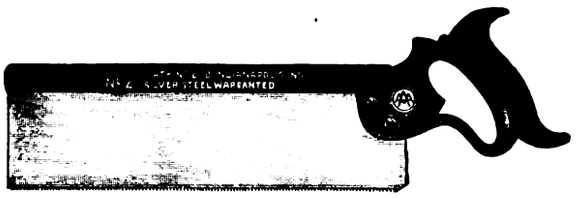
The Atkins SILVER STEEL HAND, PANEL AND RIP SAWS.

WE MANUFACTURE EVERY KIND OF SAW USED.



SILVER STEEL. FINE TEMPER. BEST WORKMANSHIP. THE BEST SAWS MADE

ATKINS' PERFECTION, No. 53.





WRITE FOR PRICE LIST AND DISCOUNTS.

The Matchless Mop Wringer Co.,

A mop, wringer and pail at a price that will sell.

See current price list for the trade.

Discounts to Jobbers.

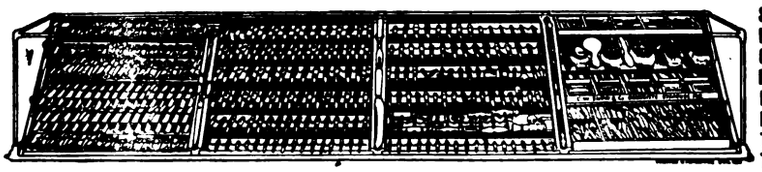
Canton, Ohio.

Send for Circular.



"DAILY FEEL THE BENEFIT."

Energy Mfg. Co., Philadelphia, Pa. [Dumbwaiters]: We daily feel the benefit of our card in your columns.



STILL IN THE LEAD, AND CONTINUE TO RECEIVE HIGHEST PRAISES THROUGHOUT THE WORLD.

All styles Show Cases and Trays. Also Trays made to fit your own Cases. Each Tray slides in and out. Brilliant display. Quick sales.

Campbell's Practical Sliding Display Trays, Pat. Dec. 1, '91.

Write us. Manufactured only by **CAMPBELL CUTLERY CO., Syracuse, N. Y., U. S. A.**

FRANK W. GILBERT, Prest. O. C. EDWARDS, Treas.

Crescent Emery Mills Co.

MANUFACTURERS OF

EMERY & ABRASIVE MATERIALS.

EMERY WHEELS.
GRINDING MACHINERY.

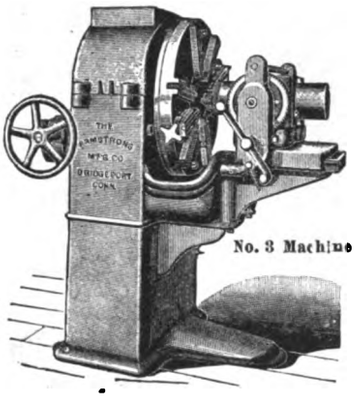
OSCAWANA, N. Y.

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Your Stock Is Not Complete

Without a line of

The "ARMSTRONG"



PIPE THREADING & CUTTING OFF MACHINES, ADJUSTABLE STOCKS & DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—

THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



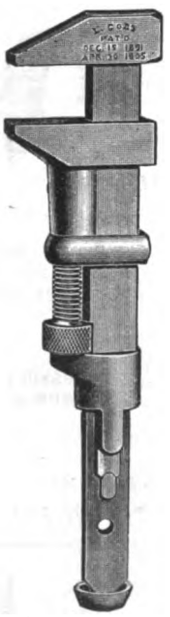
THE ARMSTRONG MFG. CO.,
Bridgeport, Conn.

——NEW YORK OFFICE: 139 CENTRE STREET.——

Stamping in Sheet Metal.

Parties using special articles stamped out of sheet metal which they buy in good quantities can save money by addressing . . . . . .

F. E. KOHLER & CO., The Hardware Specialty Mfrs.,
Canton, Ohio,
who have first-class facilities for such work.



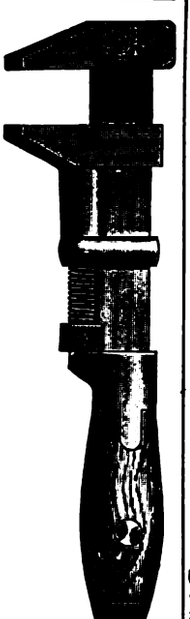
L. COES'

Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.

MANUFACTURED BY
COES WRENCH CO.,
WORCESTER, MASS.

Established in 1839.
Registered April 9, 1895.

Patented Dec. 15 1891.
Patented April 30, 1895.



Sectional View Illustrates our New Knife Handle, showing Manner of Construction.

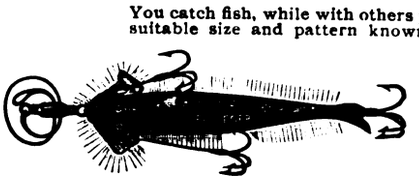
Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.
JOHN H. GRAHAM & CO. } New York Agents.

WITH PFLUEGERS LUMINOUS BAIT

You catch fish, while with others you might. Made in every suitable size and pattern known to modern anglers for



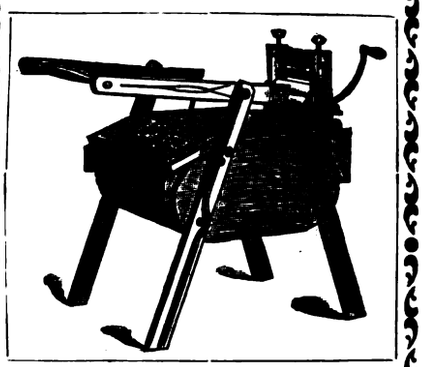
Trolling,
Casting,
and Still Fishing.

All enterprising dealers sell it. If not, address



The Enterprise Mfg. Co., Akron, Ohio, U. S. A.
Large Illustrated Catalogue mailed free.

THE "STROBEL" WASHING MACHINE.



The rub boards on inside work automatically, having a double back-action suction and pressure motion. It saves labor, fuel, time, wear and tear, washes perfectly clean and does not injure the clothes. All it requires is hot water, good soap and less than one-fourth the usual labor expended on any other washer or rub board. Prices and terms upon application.

THE STROBEL MFG. CO.,
Marion, Ohio.

OHIO METAL CO.,

NORWALK, OHIO.



Awarded the Medal at Atlanta Exposition

Incorrodible Steel Hitching Post, ornamental and lasts a lifetime.

Automatically takes up slack of chain.

Freedom and comfort for animal. Safety and security for owner.

Ready Sellers.

Write for prices and secure exclusive agency for your city.

HAS PROVED VERY SATISFACTORY.

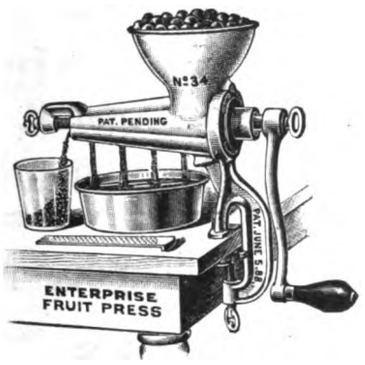
Zenith Cycle Saddle Co., Philadelphia, Pa. [*Bicycle Saddles*]: We believe that the trade on bicycle sundries must drift to the Hardware trade, as being so much more reliable. Your paper must then prove the most reliable as an advertising medium. Our advertisement has proved very satisfactory.

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ENTERPRISE

Fruit, Wine and Jelly Press

TINNED



No. 34, $3.00

Raisin and Grape Seeder

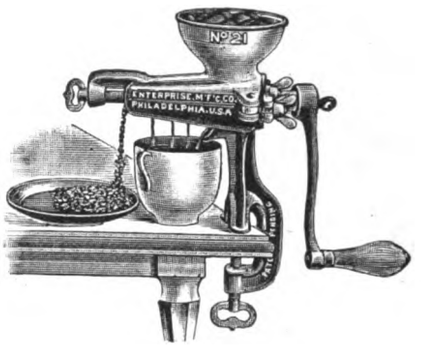
TINNED



No. 36, $10.00 per dozen
No. 38, 30.00 per dozen

Meat Juice Extractor

TINNED



No. 21, $2.50

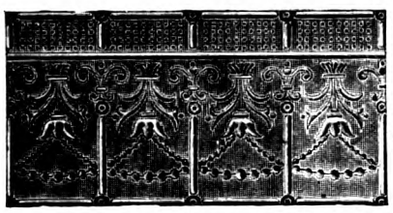
Consult your Jobber

Descriptive Catalogue Free

The Enterprise Mfg. Co. of Pa.

New York Branch, J. C. McCARTY & Co., 10 Warren Street

Philadelphia, Pa., U. S. A.



The Canton Steel Roofing Co., Canton, Ohio.

MANUFACTURERS.

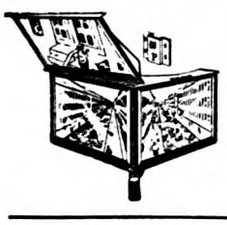
STAMPED CEILINGS,

AND ALL KINDS OF

Sheet Metal Goods for Buildings,

Iron Shutters and Doors, Roof Paints, etc.

Best construction, quality and workmanship guaranteed.



WINDOW MIRRORS

Enables a person to see up and down the street, eight to ten blocks. and who's on the door step. Can be attached to any house. . . .

THE BEST MADE, "THE PERFECTION."

We want live agents in every town in the United States and Canada. . . . Write us

BAYER & CO., *28 North 13th St., PHILADELPHIA, PA.*

"The Family Steam Laundry."



WASHING MADE EASY.

Complete Portable Steam Laundry Combination

For family use. Washer, Boiler, Adjustable Stove, Attachment for Wringer, etc. ALL IN ONE. It will Wash, Boil, Steam, Rinse, Blue, Heat Irons, make Starch and Cook your Dinner all on the one machine, in the most Perfect manner, and Quickest Time and Least Labor, without any Wear or Tear, without Lifting Wringer, Slopping the Floor or Breaking your Back over a Washboard and Tub. Get one and be Free Forever from Washtubs, Washboards, Washboilers, Laundry Stove, Rubbing your Clothes, Sore Knuckles and Scalded Hands. Strong, Durable, Handsome and Easily Operated. Heated by natural gas, artificial gas, gasoline or oil.

W. R. HARRISON & CO.,

Office, Factory and Salesrooms, Walnut St., Massillon, Ohio.

ESTABLISHED 1868

HAYES SKYLIGHTS (METALLIC) LATHING &c.

71-8TH AVE. NEW YORK.

FIRE-PROOF CONSTRUCTION

You take no risk on the quality. We make only the best!



Sand Papers IN **Reams and Rolls**

- Flint Paper
- Garnet Paper
- Emery Paper
- Emery Cloth

HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators.

BAEDER, ADAMSON & Co

730 MARKET STREET, PHILADELPHIA.
67 BEEKMAN STREET, NEW YORK.
143 MILK STREET, BOSTON.
182 LAKE STREET, CHICAGO.

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The Best Equipped File Works in the World

Samuel W. Allerton. Prest. C. C. Clarke, Sec'y & Treas. A. Weed, Vice-Prest. & Gen. Manager.

The Arcade File Works

Established 1842.

WEED'S IMPROVED CUT
GUARANTEE SEAL
ALL FILES ARE FULLY GUARANTEED
SPECIAL TEMPER

Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

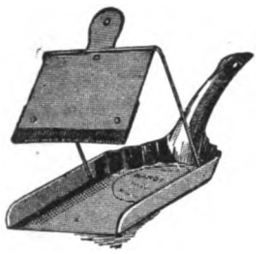
New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 97 Chambers St. and 79 Reade St. New York.

The DANDY SINK CLEANER.

. . . A perfect and complete



Household Specialty.

A Sink Cleaner and Shovel Combined. . .

Tidy housekeepers will throw away the dirty sink broom and buy the Dandy Sink Cleaner on Sight. . . . . .

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

John W. Sudlow, 986 HALSEY STREET, BROOKLYN, N. Y.

AMES SWORD CO., Chicopee, Mass.

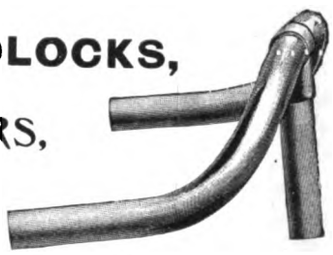
OUR SPECIALTIES:

PERFECTION PADLOCKS,

All Sizes, ½ inch to 2½ inches.

PROTECTOR REVOLVERS,

THE GREATEST NOVELTY OF THE AGE.



Compressed Seam Fork Sides and Handle Bars.

CORRESPONDENCE SOLICITED.

U. S. CLUB SKATES

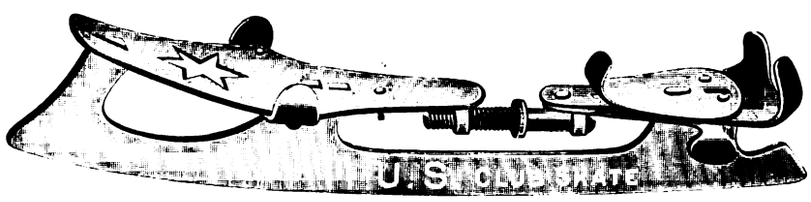
For Season of 1897 and 1898.

Manufactured by P. Lowentraut.

"U. S." LADIES CLUB SKATE.



"U. S." CLUB SKATE.



SELLING AGENTS:

JOHN H. GRAHAM & CO.,

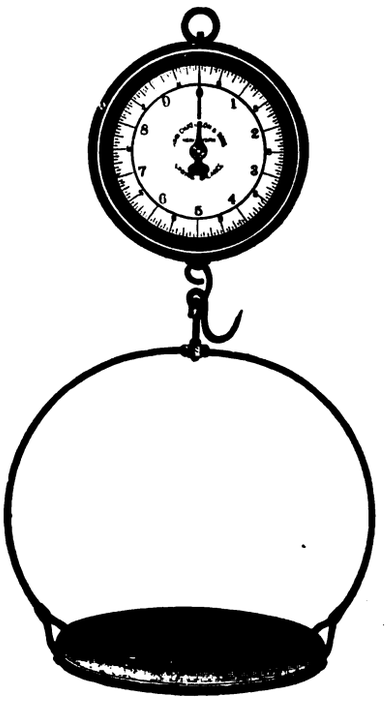
P. O. Box 1042. 113 Chambers St., New York.

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CHATILLON SPRING SCALES.

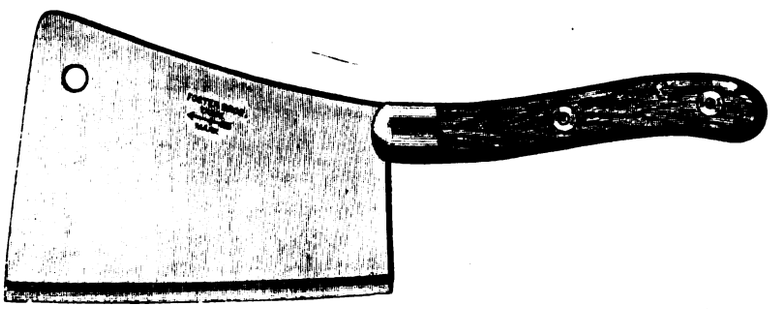
For more than **sixty years** we have carried on the business of making **Spring Scales,** and have made it OUR SPECIALTY.

All our Scales are warranted to weigh accurately and to be perfect in workmanship.



Our experience in the business, together with our unequaled facilities for manufacturing, enables us to produce a superior article, and thus to maintain the well-known reputation of **Chatillon's Spring Scales** as above that of other makes.

FOSTER BROS.' BUTCHER KNIVES, CLEAVERS, STEELS, &c.



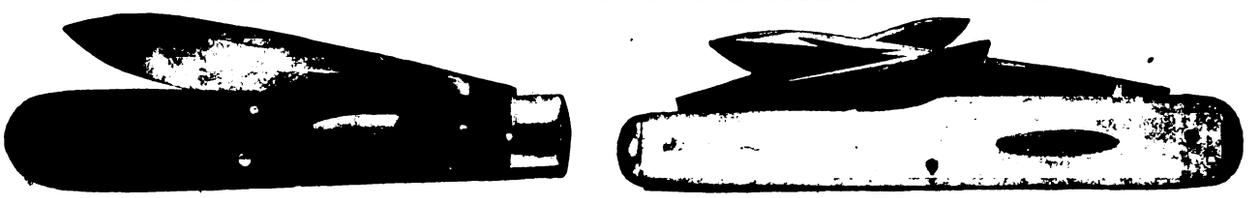
These Tools are recognized in the Markets, Packing Houses and Abbatoirs throughout the United States as the standard of excellence, quality being the first consideration. We carry in stock every style and size of Knives, Cleavers and Steels used in cutting meat; also knives for kitchen use in Hotels, Restaurants and for domestic purposes.

FRIEDERICH DICK'S MAGNET DIAMOND STEELS.



By careful workmanship and the use of a special steel in their manufacture THEY HAVE BECOME FAMOUS THROUGHOUT THE WORLD.

PHOENIX KNIFE CO.'S POCKET KNIVES.



Finest quality American Pocket Cutlery in large variety—Knives that are good sellers and will give satisfaction to the user.

JOHN CHATILLON & SONS,

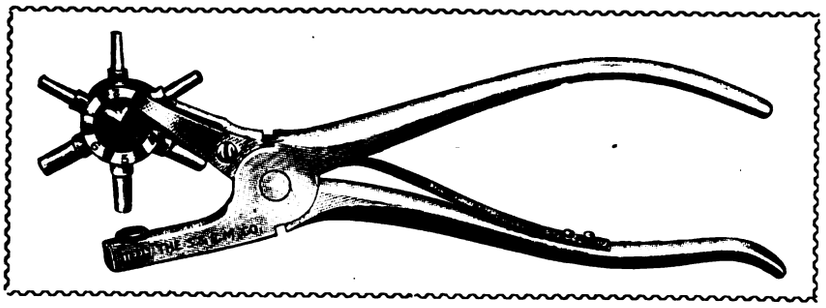
ESTABLISHED 1835.

85 to 93 Cliff St. and 12 Jacob St., - - NEW YORK CITY.

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NEW CATALOGUE

. . . NOW READY . . .



Hardware
Plumbers'
Bicycle
} Specialties.

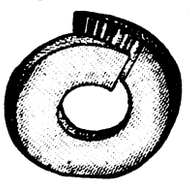
The Smith & Egge Mfg. Co.,

Bridgeport, Conn.,

U. S. A.

Mention "HARDWARE."

TRADE MARK.



A. CHIPMAN, Treas.

GOULD'S STEAM & WATER PACKING

Never sticks the Throttle.

The Original Ring Packing.

In ordering give EXACT diameter of Stuffing Box and Valve Stem.

None genuine without this Trade Mark.

THE GOULD PACKING CO.,

EAST CAMBRIDGE, MASS.



UP-TO-DATE. HOLLOW STEEL BLOCKS.

As light as wood and much stronger. The only Steel Block where the straps extend down below the middle and the pin passes through them, and has edges and middles rounded to protect the rope. When bushed with Ford's Patent Self-Lubricating or Adjustable Five-Roller Bearing Sheaves they lead all others for cheapness and durability. To insure the best blocks always specify **STAR BRAND.** 1897 Complete Catalogue } now in preparation. . . . . .

Boston & Lockport Block Co., Successors to Bagnall & Loud Block Co., **Boston, Mass.**

Dumb Waiters.....

that don't keep you waiting.

Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,

Send for catalogue. NEWARK, N. J.

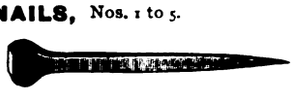
TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852.

Tools, Cutlery and Springs.

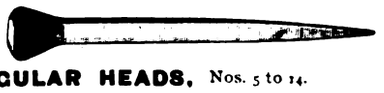


SCREWDRIVERS OF ALL KINDS - - SEND FOR CATALOGUE.

TURF NAILS, Nos. 1 to 5.



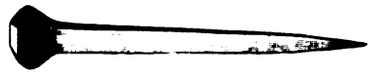
FRENCH HEADS, will fill any shoe punched or creased. Nos. 3 to 8.



REGULAR HEADS, Nos. 5 to 14.



CITY HEADS, for shallow creased shoes, Nos. 5 to 9.



COUNTER HEADS or **FROST NAILS,** Nos. 5 to 9.



PUTNAM NAIL COMPANY

NEW DEPARTURE.

In consequence of the action of the National Hardware Association, we now propose to sell direct to the general jobbers of the country. . . . . .

All restrictions have been removed as to quotations to be made by the trade from ocean to ocean. . . .

The high quality of the Putnam Nail makes it an easier seller at an advanced price over nails made by rolling and shearing. . . . . .

In case local dealer does not handle our goods, address

The Putnam Nail Co., ***Neponset, Boston, Mass.***

235 Lake St., Chicago, Ill.

12-14 Drum St., San Francisco, Cal.

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HARDWARE

VOL. XV. SEPTEMBER 10, 1897. NO. 11.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade. Published the 10th and 25th of each month, by the HARDWARE PUBLISHING CO., No. 148 CHAMBERS ST., NEW YORK.

BRANCH OFFICES: CHICAGO, - - - - - ASHLAND BLOCK.
BOSTON, - - No. 33 EQUITABLE BUILDING.
CINCINNATI, . No. 103 LINCOLN INN COURT BLDG.

Subscription, $1.00 per year. Subscription, Foreign, $1.50 per year.

JAMES H. KENNEDY, - Editor and Manager.
HENRY HOPKINS, - - Associate Editor.
FRANK REIFSNIDER, - Western Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted to the Hardware Trade.

Editorial Trade Review.

While no great number of large buyers of Hardware exclusively have as yet crowded around the registers of the Merchants' Association in their local headquarters, still the fact that many of them will reach the city a little later, has become a recorded fact, and the trade gladly awaits their arrival

Orders are coming in for special wants on early deliveries, especially from the jobbing houses that act as feeders for the States which have been so greatly benefited by their phenomenal grain crops, with their still more phenomenal advent when prices are at the highest. It is certain that the stocks of Hardware in such localities will for the first time in years reach a fullness in scope and ample variety which will prevent any sales being lost through lack of material. The stocks will be on hand with which to supply requisitions that represent positive wants.

Manufacturers are everywhere awakening from lethargic influences, and will be found prepared to sustain any demand that may be made upon their respective plants. Never in the history of our foreign trade have such encouraging hopes been fostered upon the conditions of trade which have made it easy for us to establish distributing points in all the leading countries with which our national relations are of an amicable and trade-fostering character. It is the desire of our manufacturers to retain in every instance the markets so opened. Operations originally developed and entertained for the disposal only of a surplus stock when our own home markets were stagnated, and dullness reigned supreme, have now become the foundation of a future traffic, sustained through the conceded excellence of our manufactured goods. Thus from a makeshift planting of virile seed will spring a crop, which, surpassing all previous records as to extent and volume, will yet create new fields of wealth for our manufacturing plants, and become an outlet in periods of over-production, when the glut in our own markets jeopardizes the stability of current quotations. The general trade increases but slowly as to volume, but steady and definite in tone. Prices are constantly improving and no weakness is anywhere manifested along the line; and this affects every important department, from nails and heavy Hardware to finer goods like cutlery and plated ware. No serious advances in price are contemplated, as the bracing up of the markets, and relieving them from features of uncertainty and indefinite conditions, will prove of sufficient benefit until the pressure of an increased volume of orders will make advances on staple goods politic or healthful. There is no great desire to book orders at current low prices for unspecified future delivery, makers preferring to get a share of the better business which conservative methods should ensure. Every indication points to the certainty that 1898 will be the record-breaking year, and the remainder of this year will be utilized in holding the trade already secured, so as to be "in it" largely when it arrives.

Business Men on Business.

When a business man sits down to write, in a businesslike way, in regard to something with which he is thoroughly conversant, and in which everybody is interested, he is certain to say something worthy of being placed on record.

This thought has often come into mind, when going over the trade letters which *Hardware* publishes with every issue, over the signatures of a number of the largest and most influential Hardware houses of the country. In these letters the entire land is covered, from Denver and Davenport on the West, from Birmingham and Charleston on the South, from Boston on the East, and from the other great cities lying between these various points. No one can peruse these letters without learning a great deal of value concerning the business conditions of the country, the outlook for the future, the various conditions which work together for the results that are there recorded, and, mingled with it all, a great deal of good advice and sound wisdom, to which manufacturers, jobbers, retailers and consumers, can well give heed.

It is an interesting commentary on the modesty of the average business man, when we say that several of our to-day most useful and valued correspondents hesitated before undertaking the task which they now so well enjoy, lest they should be unable to do it with credit to themselves and to their houses. The opinion was often expressed that there was nothing that could be written about, and that the one whose services had been solicited felt himself unequal to the task of saying something original, or of making his letters of interest to the public at large.

The instability of this position has been thoroughly demonstrated. If the reader will turn to the pages in to-day's issue which are devoted to these letters, he will see that there are ample grounds for our statement. These letters of to-day are but samples of those which appear twice each month, and the large variety of subjects discussed, and the bright and fresh manner in which the discussion is conducted, are evidences that the writers have not mistaken their mission, and that each one of them has something to say which ought to have been said, and is well said. There is, also,

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another interesting feature about the letters of to-day which should be specially noted. A spirit of hope and of fulfilled prophecy runs through them all. The skies are brightening, not only in Chicago, but in Baltimore and Philadelphia; no one is looking for a boom, and no one seems to wish for one, but all are satisfied that the conditions lead to certain prosperity, and that a successful season is just ahead.

This view of the situation seems to be fully justified. No one may be able to say that this one cause or that has brought about this desired result. The powers that rule the destinies of Nature and of the world, seem to have permitted the clouds to rise and the sunshine to fall upon the waiting earth. The harvests have been plentiful, and the situation is such that large prices are possible for the same. The earth has opened its richness to the pick of the miner in many sections. The hum of busy wheels is heard where there was silence before. Law makers are enjoying a vacation at home, and it is not possible for them to raise questions which shall disturb the commercial and industrial harmony. The people everywhere seem to have taken heart, and money is flowing from the banks and the vaults of the safe deposit companies into the hands of the merchants, and artisans, and farmers everywhere. The permanence of this prosperous era depends largely upon the faith and good will of the people.

No Connection With Magnolia Metal.

Herbert Gray Torrey, United States assayer, at No. 30 Wall Street, was arrested at 6 o'clock last evening as he stepped from a railroad train at his home, in Stirling, N. J., charged with wilfully entering the factory of the Magnolia Metal Co., and also with malicious mischief, larceny and assault.

The constable who awaited Mr. Torrey's arrival at the station also served a warrant on Mr. Torrey's son, J. Gray Torrey, and another on Abram Cornish, a young lawyer, who had driven up to take the assayer to his home. Besides, the constable had warrants for Richard Thomas, of Stirling, and Charles Taylor an employe of the New York assay office, who lives in Brooklyn, but neither was about.

Mr. Torrey was employed by the Magnolia Co. for eight years as superintendent of its mill. The company makes a metal for the bearings of cars and machinery.

George E. Conkling, counsel for the Magnolia Co., told me that Mr. Torrey had sought to divert business from his client's factory to a mill about to be started by Mr. Torrey's son.

Edward C. Miller, vice-president of the company, said he severed his connection with Mr. Torrey on April 15th last, because the latter was not managing the mill with sufficient economy. Mr. Torrey, however, was allowed the use of the mill to manufacture railroad brasses. The company had obtained a lease of the property from Mr. Torrey. When he entered its employ Torrey had the lease from the Delaware and Passaic Railroad, and soon after he severed his connection with Mr. Miller he served him with a notice to vacate the property. Mr. Miller appealed to the railroad and was sustained in his lease.

"We then ousted Torrey from the mill," said Mr. Miller, "but at six o'clock on the night of August 5th, his son, J. Gray Torrey and several others, went to our factory and assaulted our watchman, Charles F. Havey, who struck Torrey and knocked him down. Each caused the other's arrest for assault and battery, and Squire Hyer, of Logansville, before whom the case was tried, discharged Havey and held Torrey to answer to the Grand Jury.

"Early in the morning of August 6th, Herbert Gray Torrey and his son, with Charles Taylor, Abram Cornish, Richard Thomas, James Jaques and A. B. High, went to our factory. High is a constable, and he accompanied the party under a misapprehension. J. Gray Torrey told him that he had to have possession of the mill, and that he was afaid of being assaulted by Havey. Young Torrey smashed a window with an axe, and all climbed in, chased the watchman out and took possession of the factory.

"Herbert Gray Torrey went to the depot and got some test blocks, that had been sent to him from England, and tested the blocks on our machines until nine o'clock in the morning. His object was to demonstrate the inferiority of our metal, and to write to our enemies in England. We have a mill there and I have spent $30,000 in protecting my patents abroad.

"Before these men left the mill they carted away in a wagon a load of tools, moulds and other paraphernalia used in the manufacture of our metal.

"I was away at the time," said Mr. Miller, "and when I returned on August 9th, I received a telegram from Mr. Torrey informing me that he had vacated the factory and was ready to deliver to me the key."

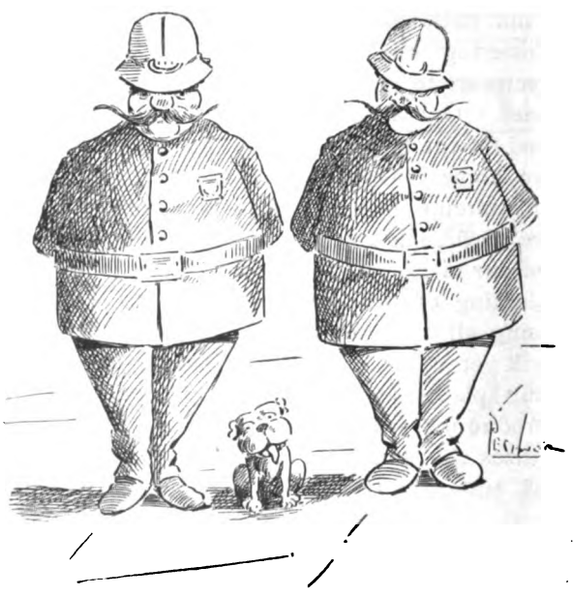
Mr. Torrey had time to say, before his hurried departure to get bail, that he had been in the United States mint service for thirty-six years, and his father before him. He had contracts and documents which proved his right to take the action he had. He declared that he took from the mill only such tools as belonged to him. The mill had made thousands of dollars on the reputation it gained through his connection with it, he said. He made all the formulas and attended to all the important correspondence.

"If I want to make metal," he said, "I'll make it, but I can't make their metal because it is patented. Mr. Miller has threatened to go to Washington and make charges against me to the Secretary of the Treasury. Let him try it."—*New York Herald.*

The Magnolia Metal Co., Nos. 266 and 267 West Street, New York, whose product is famous the world over, authorize the announcement that none of the parties above named have any connection with their business, their relations with H. G. Torrey and J. Gray Torrey having been severed on April 15, 1897.

J. P. Bryan & Co., Baltimore, Md., have been incorporated for the sale of raw materials and manufactured goods, and have an authorized capital stock of $10,000. This is an advance step in the road of prosperity, which will be welcomed by their many friends.

Hardware Terms Illustrated.



A PAIR OF "PINCHERS."

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Seasonable Suggestions.

Crops are generally good.
Everywhere they are ample.
Here and there superabundant.
Dollar wheat is already a possibility.
That means actually, not politically:
Better times!
Prosperity!
The business situation is improving.
So report
Dun's,
Bradstreet's.
They are our authorities.
Our regular commercial indexers.
But you can see for yourself.
It's in the air.
The tired feeling is leaving you.
The whole land seems convalescent.
Now What?
The fall season is at hand.
You want to do business.
Share in booms and boomlets.
You must do business.
The opportunities are here.
You must retrieve this Fall.
How to do it?
Let 'em know you are still in business.
But be quick about it.
Be a leader, not a follower.
The rush for trade will be great.
Business cupidity was never greater.
They are hungry for trade.
Become an advertiser.
You must advertise.
Realize that now.
Reach out for trade while it's yet to be had.
The fall season will be over in a jiffy.
Procrastination can't be considered.
Business has been flat.
Trade dull, dead.
So says the non-advertiser.
So says the inert advertiser.
The occasional spasmodic advertiser.
The regular advertiser is still doing business.
He always does.
He is now flooded with inquiries by prospective Fall buyers.
That's his advantage.
And what an advantage.
The non-advertiser, the inert advertiser receives no inquiries.
That's the reason he croaks and is quasi dead to business development.
He fails to see the signs of life, of prosperity.
He is in peril of losing his opportunities.
Of being outdone, outclassed, marshalled from the field.
A preventative is better than a cure.
There may be no cure.
Then, hark!
Advertise!
Get ready to advertise now.
Wise advertisers,
Shrewd advertisers,
Time-tried advertisers,
All would counsel this.
Watch them!
Daily they set you a practical example,
Join the ranks of the leaders.
Imitate success.
Advertise.
Advertise well.

Follow the precepts of successful advertisers and yours will be an investment in equity. J. B. RINDFLEISCH.

An Instance of Southern Development.

No one who watches the course of modern events can complain that the South is a laggard in the race of natural material development. Cotton may still be king, but is compelled to share his throne with the modern manufacturer, who is creating wealth for his section, by the steadily increasing development of the splendid natural resources of the South.

Nature has been especially lavish in giving to Tennessee a magnificent endowment of natural hard woods, in which hickory and oak of a superior quality predominate. An enterprising company, Geo. S. Parkes & Co., of Nashville, have seized upon the opportunity this fact presents, and are making a great use of the same. They are turning this timber to the use for which it is best designed, and are shipping to all parts of the world immense quantities of spokes, handles and carriage woodwork. To a material exceptionally fitted for a first-class article, they have added skill and the use of first-class modern machinery, and are turning out a line of goods that have given perfect satisfaction in every quarter. They are receiving large orders from both the home and foreign markets, and their prices are such as commend them to the largest and closest buyers.

A representative of *Hardware* had the pleasure of looking through their work, and closely examining the finished products. In spokes, they make every variety in the American, English, Australian Patent and Shell Band Pattern, also the Club Turned or finished for wood hubs, in every size that can be made. Every spoke is warranted to be air-dried, and as near perfection as good timber and first-class and experienced workmanship can make it. They make all the patterns of Handles that are used in this or foreign lands, and guarantee the grading to be the equal, in all respects, of anything made. Their carriage woodwork receives the same care, to secure the exact timber that is suited for making shafts, poles, oak and hickory rims, bows, cross bars and singletrees.

While the headquarters of this successful exponent of the new manufacturing development of the South are at Nashville, Tenn., they have a New York office at No. 64 Cortlandt Street. Inquiries addressed to either place, as to prices etc,, will receive a cordial and prompt reply.

Brazing Graphite.

Not a little of the expense in brazing is due to the cost of removing the brass which has stuck to the metal where it is not wanted. The removal of this brass is usually attained only by patience and diligent filing. Now comes to the aid of the brazier that unique mineral, graphite, which is not affected by acids, alkalies, heat or cold. Braziers who have made use of Dixon's Pure Flour of Graphite pronounce it worth its weight in gold. A sample will be sent without charge by the Joseph Dixon Crucible Co., Jersey City, N. J., who are the only manufacturers.

C. M. Fairchild has been engaged as general manager of the Olive Wheel Co., of Syracuse, N. Y. For twelve years he has been allied with the cycle and acccssory trade, and for the past four years as manager of the New York Tire Co.'s Western business. Conscientious, brainy, and sincere, the Olive Wheel Co. have secured in Mr. Fairchild a manager whose worth will be made plainly apparent during the next few months' struggle for supremacy. As secretary of the Century Road Club of America, Mr. Fairchild enjoys an extensive acquaintance in the trade and among the riders of this country.

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SELLING FOR SPOT CASH.

Editor Hardware: Smith and I have run a general country store out here for six years, and have done reasonably well. We have, of course, lost something because of bad accounts, but on the whole have made money.

Smith is a great hand for theories. He reads all the "Advice to Merchants" and "Hints to Business Men" he sees in the trade and other journals, and gives them all a trial, when my influence fails to prevent him. Some of them have cost us money, while others have lost us customers. This does not prevent his turning up, fresh and smiling, with a new one, about every other day.

Last summer he became very much impressed with the absolute necessity of our doing business upon a strictly cash basis. Said he had been reading Adam Smith and a lot of those other old chaps who write on political economy, and after studying the matter over had come to the conclusion that 25 per cent. of the business done in this country, was lost through poor accounts. That the whole sum could be saved, if everybody would pay spot cash on the delivery of the goods. That as the leading merchants of Bundysburgh, we were in a position to give the matter a thorough test, and show the world at large that the great bulk of commercial business was done upon a wrong basis. That by paying spot cash ourselves, we could purchase goods much cheaper than at present, and sell for lower prices. That everybody who had money would come to us, while those who ran accounts, would go to our competitors. In short, he argued with such spirit and vehemence, and had such a formidable array of figures upon his side, that after a month's protest and hesitation, I finally acceeded to his view of the matter, and agreed that hereafter the firm of Smith & Jones should do business only upon a Hard Money and Spot Cash basis. Our motto was, 'No trust to anybody; not even to our own grandmothers." If Mrs. Smith wished to purchase a lawn dress, she must come in and pay her money over the counter. If Jones' youthful son wished a sled, he would have to produce the coin of the realm, or its equivalent in greenbacks, before he could come into possession. There were to be no bad accounts, and no losses hereafter, and everything immediately took on a roseate hue.

On the 1st of September, 1896, we put up our sign "Absolutely No Trust to Anyone." We changed our card in the Bundysburg *Signal*, calling attention to the fact that hereafter goods would be sold for cash only, and that because of this new line of business conduct, we expected to sell goods 25 per cent. less than our neighbors could sell them.

Now don't understand me as condemning this system as a whole, or even criticising those who support and practice it. I simply wish to say that our experience has demonstrated the fact that in a small country town like Bundysburg, this method of business has its slight drawbacks, to say the least. In a great city where you know so few of your customers, and where so many of them are merely casual purchasers, it may work to a charm, but in a little town like this, personal and fraternal relations are so closely intertwined with those of a business character, that a merchant who makes this cash rule and enforces it, is apt to get himself occasionally disliked.

As our old customers came in and saw the sign, their comments varied from, "Well, I'll be gol darned," to "What the blankety-blank has got into you fellers, anyhow?" On the whole our customers seemed to endorse the move, and regard it as a commendable safeguard when applied to their friends and neighbors, but had their doubts about its availability or complete success when put into operation against themselves. Old Deacon Wolcott, who has traded with us ever since the store was opened, paying twice each year, and who was a customer of my father's before I was born, said to me in a confidential manner, "That's all right, Silas, you just go ahead and keep that sign up, and it will be a notice to a lot of these lazy good-for-nothing fellows, that they must pay as they go, or not go all. Of course, Silas, I know them fellers you and Jim are after, and that you never had a thought of applying this here notion to *me*."

I took the old man over into the corner, and let Jim talk political economy to him for half an hour. He looked a little dubious, but when Jim was through with him, he came down front and said to me, "I must have a pair of boots for the boy, and some goods for the old woman." I took great pleasure in waiting upon him, and when I was through, figured up the amount, which came to some $11.80. The old man gave an embarrassed laugh, and said, "You have got me this time, Silas. I haven't a darned cent with me, and unless you chalk her down for a few days, I will have to leave the goods until I come in again. I have got my old silver watch with me," with a low chuckle, "but I don't think at this time of day, you boys will make the old man put that up for $11.80."

It was a little embarrassing to have our first customer under the new rule put us in a box like this. We knew that the old man was as good as the gold, and at the price we had charged him, we could very well afford to carry his account for several months. But there was the rule, and I saw Jim looking at me sternly from the back end of the store over a pile of political economy books and of trade journals which insisted that every merchant should sell for cash.

I said to him, "Uncle Socrates, I cannot put this account upon the books, as it is against our rules, and we must treat one customer as we would another, but I'll tell you what I will do. I will lend you the $11.80 out of my own pocket, and you can pay me the next time you are in town."

"Well," said the old man dubiously, "I don't know as I care to go about town borrowing money, but under the circumstances, we will let her go at that."

I loaned the deacon $12 in cash out of my own pocket, and then he turned around and paid me $11.80, which went into the drawer.

Said he with a chuckle, "It looks now as though I was about 20 cents ahead of the game,"—which was rather a suggestive comparison for a deacon in the Presbyterian Church, but quite characteristic of the situation.

Our books show that during the past year, we have sold Deacon Wolcott just one-half what we sold him the year before. Figuring full legal interest on his account, I find that we have lost about $53.75 on the transaction, over what we would have made had we carried his account as in the olden days. There is another loss to be added to this, as the deacon's wife has got into the habit of carrying her butter and eggs to our rivals across the way, where she is running a book account wide open, and for all it is worth; and thus we have lost what we would have made in handling her produce.

The deacon had hardly gone out of the store, before little Johnny Seelye came in, and reaching a tin pail over the

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counter said, "My mother, she wants two quarts of molasses."

Said I, "All right, Johnny, have you got the money?"

"Money?" said he. "Why hain't ma got a book account here? I have always got things when she sent me for them, and nobody ever said anything to me about money before."

With a mere hint of spite in my tone, I called to my partner, "Come here Jim, and load little Johnny up on political economy. He doesn't seem to grasp the situation with that philosophic touch to be expected of one who has studied Adam Smith and Richard Cobden."

Jim came down front, and explained the whole situation to Johnny, mollifying and emphasizing the same with a gift of a stick of Beeman's pepsin gum. The little man marched home again with his empty pail, promising to come back with the money in a few minutes.

In about a quarter of an hour, young Johnny stuck his towsled head through the front door, and with a grin, said, "Ma says she don't have to!" and then before we had an opportunity of answering him, he was over the way with his empty bucket.

I expect that these two samples of Deacon Wolcott and young Seelye, are simply two out of five hundred experiences that poor Jim and I have gone through during the past year. We have offended so many customers that our losses upon the business which they have withheld from us, have more than covered all the losses we would have sustained from poor book accounts. We find that people will buy more goods when they can have the same charged, than they will when they must pay cash for the same. Many a man will permit his wife and daughters to go to the store, and have goods charged, when they utterly refuse to go down into their pockets and hand out the necessary amount of money over to their feminine representatives, who are setting out upon a shopping tour. It seems to be a very difficult matter for the average farmer, to whom money comes in such small amounts, to part with a greenback until compelled to, while, on the other hand, they are very generous about increasing their credits—and I am talking about men who pay their debts, and whose credit is upon a gold basis.

Mind that I am not criticizing the system, nor am I finding fault with political economy, or with Jim. We have made some money this past year, but not as much as we would have made had we pursued the old system. I do not find that we can buy goods any cheaper than we did before, for the double reason that we are buying less now than we did a year ago, and have practically always paid cash for our goods in the past.

This I know. That on October 1, 1897, James Smith and Silas Jones, merchants at Bundysburg, Ohio, have decided to go back to the old system. We shall carefully scan all applications for book accounts, but hereafter whenever a solid merchant of this town or of Farmington, or of Parkman, wishes to buy goods upon credit, with the firm of Smith & Jones, he can do so. Adam Smith is all right, and so is political economy, and so are the trade journals which have advocated a spot cash system—but we boys down here on the edge of Swine Creek, have learned upon which side our bread is buttered, and intend hereafter to pursue the course of practical wisdom.

I would like to hear from some of the other fellows who have experimented in this direction, and learn what there experience has been. SILAS JONES.

Bundysburg, Ohio, September 7, 1897.

A newly rich Englishman sent this order to a bookseller: "I have sixty feet of shelving. I want ten feet of poetry, ten feet of history, ten feet of science, ten feet of religion, the same of novels, and fill up the rest with any kind of books."—*Stoves and Hardware Reporter.*

The Wilmot & Hobbs Co.'s Products.

The Wilmot & Hobbs Mfg. Co., of Bridgeport, Conn., have recently made large additions to all departments of their plant, and more especially in the department for the production of oilers, stove trimmings and other "Copperized" and nickel-plated specialties. These additions were rendered necessary on account of the vast amount of orders that poured in upon them during the spring.

The "Copperized" and nickel-plated steel oilers manufactured by this company are now too well-known to need comment, but we feel it due to this enterprising corporation to mention, that notwithstanding that they have been hardly a year in the stove trimming business, they number among their customers some of the oldest and best known stove manufacturers in this country, and are meeting with wonderful success on account of the special fit and finish of their "Swedoh" "Copperized" nickel-plated stove bands. We understand that this department is obliged to run considerably overtime already, and it is expected that during the fall and winter this happy condition will prevail throughout their business.

The accompanying illustration shows the latest success of this concern, they having, after many years of experimental work, succeeded in turning out what is described



as "the strongest tube ever made. It has remained for the Wilmot & Hobbs Mfg. Co. to demonstrate to the world that the patent Clincher Cycle Tubing is superior even to seamless tube, for the reason that it can be rolled with perfect accuracy as to gauge throughout, free from flaws of any description, is not subjected to a multiplicity of annealings, and the joint being thoroughly dove-tailed by lateral displacement in clinching of teeth, the result of perfect resistance of steel against steel to all strains is secured." The president of the company, F. A. Wilmot, who is the owner of this patent both in the United States and foreign countries, is at present in England at the request of some large concerns there who are seriously thinking of adopting this style of tubing, it being also capable of forming up into D-shape and fork sides, etc. It ought also to find a sure market in the bedstead business, as steel tubing has recently begun to supersede brass in the manufacture of bedsteads.

Moving to the Front.

The Detroit Twist Drill Co., Detroit, Mich., have engaged the services, on a five years' contract, of Peter J. Hoenscheid, formerly with the Whitman & Barnes Mfg. Co., Akron, Ohio, as superintendent of their twist drill department, and are enlarging their plant to manufacture full lines of twist drills.

They are putting in the finest improved machinery of modern design, and in a few months will be in the market with the best goods experience and ingenuity can bring out. Mr. Hoenscheid has been in the business for eighteen years, having been first with the Morse Twist Drill Co., a large Cleveland company, and for about seven years last past with the Akron Co. He has associated with him some of the most experienced of his former employees. N. G. Williams, Jr., will remain as general manager, secretary and treasurer of the company as before. A number of prominent and successful business men of Detroit are interested in the new departure as stockholders and directors. With this material strengthening the business the future of this well-known company is assured.

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The National Safe Deposit Co. of N. Y.

Among the many attractive features which make the Mutual Life Building, in Nassau Street, extending from Liberty to Cedar Streets, New York, one of the most unique in construction of any building in America, may be mentioned the safety deposit vaults belonging to the National Safe Deposit Co., the entrance to which is at No. 32 Liberty Street, on the side of the immense building of which we give an illustration.

The problem of what to do with valuable papers, such as bonds, stocks, title deeds and wills, even valuable jewelry, not in use except on state occasions, has been solved by the safe deposit vaults, and they have multiplied, until to-day security for one's valuables can be readily found, where no "thieves can break through and steal," but where they can be placed conveniently, be perfectly accessible, and yet know a security not obtainable by any other method.

Within a few years great progress has been made in construction, and the latest additions to the strong rooms of the country, furnished by the National Safe Deposit Co. of New York, are so secure, convenient and cheap, as to make it a foolish proceeding for any person to worry over the safe keeping of his or her treasures. It isn't necessary to be very rich in order to have anxiety over the safe keeping of what you have; hence we find people putting some of



their valuables in the most out-of-the-way places, even inside of feather beds, or placing bank books under the carpets, and solid silver under the coal heap, all designed to baffle the wilful desires of conscienceless people who persist in believing that "the world owes them a living."

All this unavoidable anxiety can be saved by renting a box in a safety deposit vault where valuables are absolutely safe.

The National Safe Deposit Co. of New York occupies a large portion of the first floor and basement of the magnificent new addition to the office of the Mutual Life Insurance Co. of New York, the greatest financial institution in the world.

This is a very convenient location even for people who live far up-town. The elevated railroads are each within a short distance of the company's offices, and the Broadway cable cars pass within one short block.

The safes and vaults of this company are guarded by all the latest appliances of steel, steam, concrete and electricity.

The material of which the main vault is constructed weighs seven hundred and fifty tons. This vault is nine feet in height, fifteen feet six inches in width, and forty-three feet ten inches deep. Floor, ceiling and walls are composed of steel, three inches in thickness, backed by concrete one foot thick.

The boxes in this vault vary in size and cost, the cheapest being $5 per annum, the highest, $250.

They equal in size those furnished by any other safe deposit company. Each box is of steel, made by the Mosman Co., and contains a sliding inner box for the reception of valuables.

They have various styles of locks adapted to every requirement, and upon the larger boxes, combination locks, which persons renting can adjust to please themselves.

The entrance to the vault containing the boxes is protected by two immense doors, which are supplied with superb combination time locks. The inside door weighs two tons, and the outside door six tons. Above the outer door is placed an innocent looking piece of pipe; this is connected with the boilers in the great engine room of the Mutual Life Co. In case of riot, or any attempt by a mob to enter the vault, the steam from the boilers—heated night and day, winter and summer—can instantly be turned on; no human being could stand near it and live, and the entire apartment would be made untenable.

At night the vaults are protected by electric bells and clocks, and are under the constant supervision of the corps of watchmen, while the entrance to each vault is guarded by double gates of inch and a half steel.

There are special rooms provided for trunks, pictures, silverware, merchandise and other valuables, and there is a charm about the place, because it is so bright, light and airy, which is in strong contrast to many of the dingy quarters devoted to storage purposes elsewhere.

Mr. James C. Holden, for many years a trustee of the Mutual Life Insurance Co. of New York, is the president of the company. He is a thorough business man, energetic and indefatigable and ambitiously interested in this new enterprise. Under his wise administration of the company's business, success has been achieved in all its varied departments of usefulness, and its future stability becomes an assured fact.

The secretary and manager of the company, and upon whom falls the greater part of the detail work, is Mr. J. Lynch Pendergast. He was for many years assistant manager of the State Safe Deposit Co., his experience in which position enabled him to bring into his new management a practical knowledge of the business that has proved of immense benefit.

Since its establishment the public has taken kindly to the new depository on account of the cheapness, security, accessibility and convenience of its new quarters, all of which will be abundantly verified by an examination of the premises.

This Old Country.

Good times or bad times, we're with this country still;
With her on the mountain top or slidin' down the hill!
Don't care how corn's a-sellin', if cotton's high or low;
This old country, brethren, is the best one that we know!

Good times or bad times, we're with this country still;
Every time we feel her shake we have a friendly chill!
Don't care how things is goin', nor how the tempests blow,
This here old country, brethren, is the best one that we know!

Good times or bad times, we're with this country still;
With her when we sow the grain, an' when we go to mill.
Don't care what's in the future; we'll whistle as we go,
For this old country, brethren, is the best one that we know!

—*Atlanta Constitution.*

The man who makes and the man who sells the best things has not done his duty when he stops with making and selling. He must tell the people what he is doing. It is a duty he owes himself. It is a duty he owes the people. The makers and sellers of good things are not doing their full duty to society. They cannot expect people to come and hunt them out. They cannot expect people to think and become educated along lines when it is their duty to do this for them. The most of the people do things because others tell them to do it—not in response to command, but as a result of appeals to them in such a manner as plays to best advantage upon the foundations of activity, the emotions, the passions and ambitions.—*Michigan Tradesman.*

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The Crown Gem Sectional Steam Heater.

The heating of modern houses has had more attention bestowed upon it of late years than is generally known, and the skilled productions in this line are numerous. Johnson & Co., Catskill, N. Y., with New York office at No. 84 John Street, are placing upon the market a line of steam and hot water heaters which, under the names of the Gem, Royal Gem and Crown Gem, have achieved marked popularity, and with the added improvements of the present year, will be found strictly up-to-date. We give below a description of the Crown Gem Sectional Steam Heater, a sectional cut of which is given in Fig. 1.

In the construction of this heater the form best calculated to utilize to the fullest extent the natural laws provided for our assistance, has been selected. The amount of grate surface in each size heater is claimed to be ample to maintain the most economical rate of combustion. The heating surface is arranged to absorb the greatest amount of heat produced by the fire; the disposition of the surface allows the fire to pass freely to the top of the heater, thus placing the intense heat of the fire at the upper part, where it is needed to insure a quick supply of dry steam. The water chambers are chambers of circulation; they are made for active business in every nook and corner of them. The water-ways are arranged in sheet form, shallow, and are entirely surrounded by heated gases, so that an enormous crown-sheet-surface is obtained. All joints are screwed joints, and are on outside of boiler, where they can be easily reached. The fire-box is deep and roomy, and is fitted with a large feed door, through which every part of

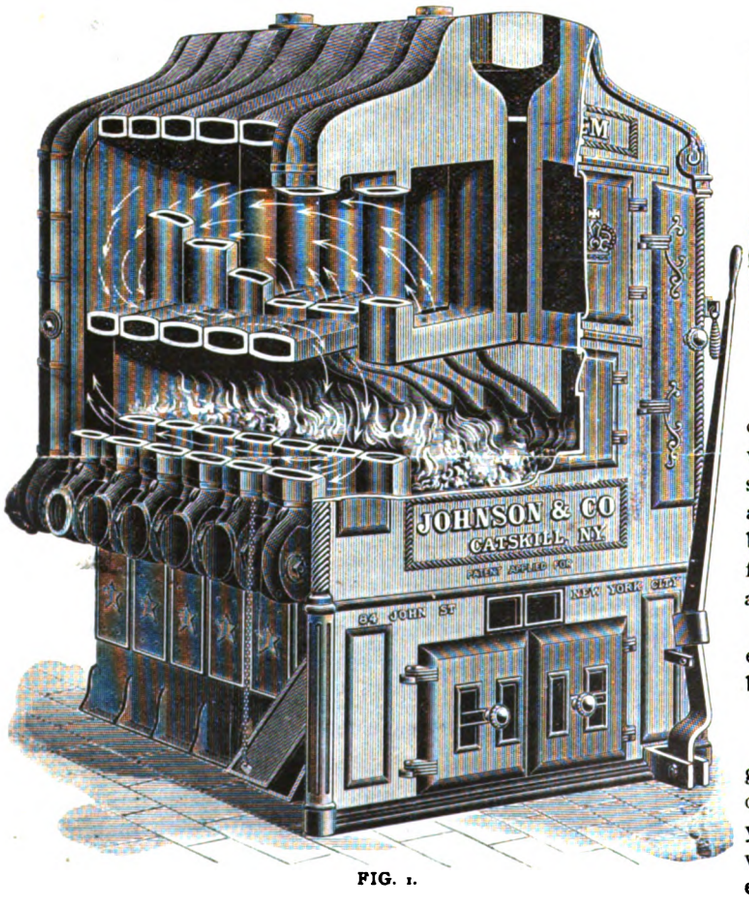


FIG. 1.

it can be reached. The fire is entirely surrounded by water, thus every inch of the fire-box is heating surface. The fire-travel is consequently most thorough: passing to the back, where it is compelled to divide and pass to the front through the upper side flues on each side, thence back through the lower side flues to rear of boiler, and finally through smoke-pipe collar to chimney. A direct-draft damper is provided for use in starting fresh fire. The boiler is fitted with a rocking grate, the bars of which can be removed and replaced through openings in side of ash-pit provided for that purpose. Clean-out doors are provided front and rear, through which the flues can be easily cleaned. Non-conducting material is furnished for covering each boiler, thus preventing any loss of heat.

In the construction of this popular heater, the fire-travel being on horizontal and the circulation on vertical lines, its capacity is largely increased.

Fig. 2 shows an intermediate section, a front and back water section, and the smoke drum. As will be seen,

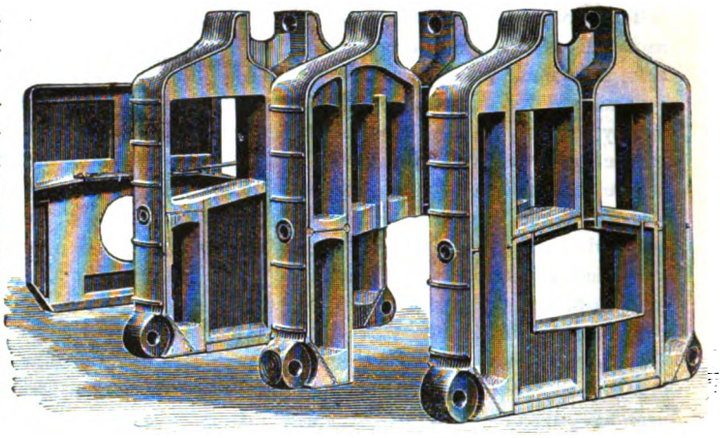


FIG. 2.

these sections present an immense amount of surface to the action of the fire. In Fig. 3 is shown the grate and base.

Perfect grates are not numerous, and it is conceded that the grate which sustains the fuel, admits air in proper

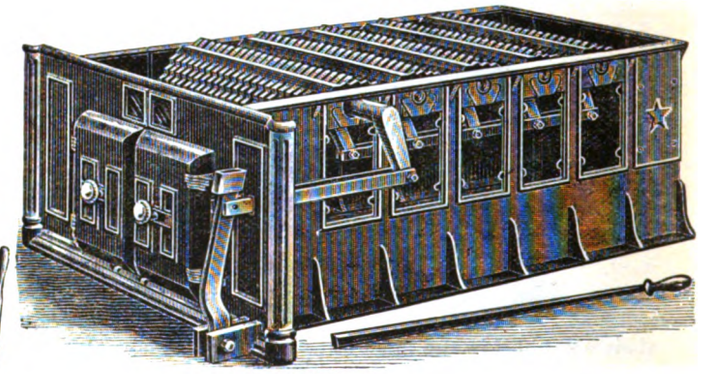


FIG. 3.

quantities and can keep the fire clean of ashes and clinkers when required, embodies all the desirable features necessary for a grate. The grate bars in the Crown Gem are accessible from both sides of the heater, being held in place by dovetails, and can be easily removed or replaced in a few minutes by simply taking off panels on either side of ash-pit.

Those interested in the subject of properly heating modern houses will do well to send for catalogue, which will be forwarded on request.

From a paper read by Col. E. D. Meier before the Engineers' Club of St. Louis: "I have compiled some statistics on boiler explosions. These show that for the fourteen years ending with 1892 there have been 2685 explosions, with 3384 deaths, and 5185 injuries. This means that every explosion causes 1.37 deaths and 1.93 injuries, or a total of 3.3 persons. Estimating the value of a life at $5000, and injuries the same, every explosion causes a loss to the community of $16,000, and the loss foots up $3,000,000 to $5,000,000 per year. Yet less than 4 per cent. of this loss occurs on steam vessels, the only boilers that are subject to inspection. This proves that inspection and regulation will reduce the loss to the minimum."

Homer mentions locks and keys, and Pliny attributed the invention of locks to Theodorus of Samos, B. C. 730.

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Recent Trade Publications.

We have received from the Boston & Lockport Block Co. Boston, Mass., their illustrated catalogue and price list of "Star Brand" Blocks for 1897. It is the most complete catalogue of tackle blocks that we have seen, making a volume of 112 pages, well printed on fine paper and worthy of preservation by the dealer who may receive it. Among the various styles of blocks with which the catalogue is filled that are regular and well-known to the Hardware trade, we notice that the volume also embraces: Metaline, Fords and self-adjusting five-roller bushed wrought iron, steel and wooden blocks: Batts' patent differential hoists; Loud's patent diaphragm pumps; wire rope blocks and sheaves; warehouse trucks, lignumvitæ work, etc. The company are large and extensive manufacturers of store and warehouse trucks of every description, including in the assortment the New York, Boston and Western patterns, and railroad, barrel, cotton and steamboat trucks; hotel trucks, with rubber wheels; trunk carriers and baggage and express barrows. They illustrate fifty varieties of these goods, making their catalogue in this side line alone an extremely useful one to the Hardware dealer, and by the aid of which a dealer may frequently make a sale. They are also large manufacturers of mallets, both square and round. We notice a few original features in catalogue construction which will commend it to the dealer. At the foot of each page showing their varieties of blocks, they state whether the goods are made exclusively at their East Boston factory or at the Lockport factory, or are made in common at both factories. Recognizing the fact that the hook of a tackle block is the first part to give out, they have had tests of hooks and shackles made at the Watertown arsenal, which tests are given on page 105, and will prove very useful to the trade, as it conveys the idea that where heavy weights are being handled, shackles should be substituted for hooks wherever practicable. On page 21 they illustrate the usual yacht blocks, demanded by the trade, and in a compact form show twenty-two varieties of same. This extremely useful catalogue should be requested by every dealer handling this important line of goods that has not yet been favored with a copy.

From the Wm. Rogers Mfg. Co., Hartford, Conn., we have received their new catalogue No. 45, showing in detail the full line of "Rogers' Anchor Brand" Silver-plated Flat Ware. This catalogue is a carefully printed pamphlet of 120 pages, on good paper and fully illustrated. The necessity for issuing a new catalogue at the present time is stated "to be on account of the continuous originating of new designs, which show the results of riper knowledge and richer experience gained by supplying the wants of the world in this line." Among the many handsome designs with which the volume is filled, following closely as they do the various artistic styles associated only with solid silverware, we notice the beautiful pattern named "Plymouth," which would seem to meet all the requirements of a cultured taste in table adornment and enjoy the extended sale which its artistic outlines undoubtedly merit. Many other recent and desirable patterns continue to maintain their vantage ground with the trade, and are made prominent in this catalogue; among them we notice the "Shell," "Victoria," and "Chevalier," that continue their previous popularity. The catalogue should be in the hands of all Hardware dealers handling this style of goods.

Smith & Egge Mfg. Co., Bridgeport, Conn., have published for the Fall trade their 1897 catalogue No. 3, of Hardware, plumbers' and bicycle specialties, forming a pamphlet of 40 pages. It embraces in its varied contents, belt punches and tubes, Yankee rat and Wizard mouse traps, Giant metal and other steel sash chains, window sash pulleys, sash fixtures, and steel and copper cable chains, Eureka patent shears, Giant drill chucks, adjustable socket wrenches, government finish padlocks, closet pulls in great variety, plumber's chains, basin, bath and wash tray chains, split links and "eight" hooks, basin chain holders, and pipe straps in large variety. Among cycle sundries the company manufacture bicycle and sprocket padlocks, bicycle wrenches, hardened and finely finished, and "Giant" toe clips, with single or double bolt, and coasters and lamp brackets, made from cold rolled steel. The company state their long experience as manufacturers enables them to furnish goods which are regarded as "standard" for quality of material and perfection of workmanship. Their sash chains "having been in constant use for the past 20 years, have established a record for durability," certainly unquestioned by the trade. Catalogues furnished the trade on application.

From the Logan-Gregg Hardware Co., Nos. 125 to 131 Seventh Street, Pittsburg, Pa., we have received their autumn and winter catalogue for 1897–1898, which is a pamphlet of 130 pages, 9x12 inches in size, filled with excellent illustrations of seasonable goods, embracing in its contents: Shotguns, rifles and revolvers, ammunition, skates, sleds and sleigh bells; weather strips, door checks and thermometers, etc. Plated ware, pocket and table cutlery are also largely represented; in fact, it is a full compendium of seasonable wants of every description and will be found of great convenience by the customers of the enterprising house which issued it.

An Electric Show.

The development of practical electrical science will be illustrated in the next American Institute Fair by exhibits. The old American Institute, now in its seventieth year, is aggressive in its announcement of a strong and a long show at Madison Square Garden, to run from September 20 to November 4, 1897. The officers of the Board of Managers of the 1897 Fair are Dr. P. H. Murphy, chairman; Oliver Barratt, vice-chairman; Alfred Chasseaud, general superintendent, and George Whitefield, Jr., secretary. The American Institute rooms are at Nos. 111–115 West Thirty-eighth Street, but the general superintendent, until the Fair's close, will maintain an office at Madison Square Garden.

The Fair's management has planned as an especial attraction to the public a flower show which in extent and cost has never been equalled. It will be scientifically classified and a wide range of species of plants will be accessible to lovers of flowers. The show of fruits, nuts and vegetables. too, will be the most complete ever seen in New York City. The machinery exhibits will be numerous and will include new inventions of practical worth and unusual interest. There will be a choice collection of paintings and statuary representing the best efforts of America's greatest artists and daily concerts by the Old Guard Band.

It was the American Institute which, in one of its fairs, first demonstrated to the doubting world the practicability of Morse's electric telegraph and other lesser but important electrical inventions. The managers of the 1897 Fair would be pleased to see the electrical section made, if possible, the most important of all the Fair's departments, appreciating as they do the importance of electricity in the world of to-day and to-morrow.

The electrical section will include everything pertaining to telegraphs, telephones and their construction, signals and alarms, electrical, medical and surgical apparatus and instruments, motors, electric lighting devices, and models of or apparatus and instruments used in electrical processes. All inquiries should be addressed to Alfred Chasseaud, general superintendent of the Fair, at Madison Square Garden, New York City.

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NEW GOODS AND SPECIALTIES.

Pike's Mounted Sharpening and Scouring Stone.

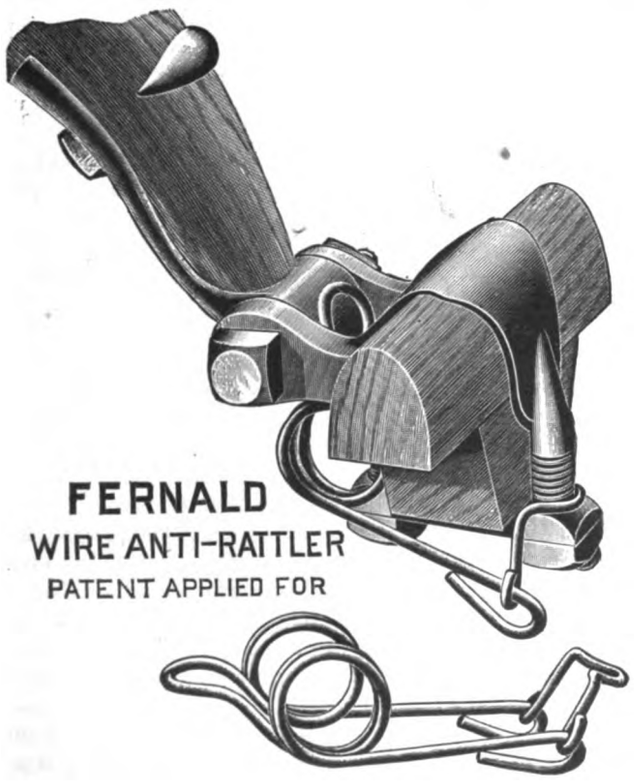
The Pike Mfg. Co., Pike Station, N. H., and No. 151 Chambers Street, New York, have introduced a mounted sharpening and scouring stone for table, kitchen, butcher and similar knives, as shown in the accompanying illustration. It consists of a sharp grained sandstone about



8½x1½ inches in size, mounted in a neat box. It is recommended by the manufacturers as particularly useful in sharpening all knives that require a coarse, quick-cutting edge, and can be used also for scouring sinks and similar surfaces. The box, while making it more salable, protects the stone from breakage. The article is referred to as peculiarly suited to the house-furnishing and woodenware trades. It is designed to be retailed at 15 cents.

Fernald's New Wire Anti-Rattler.

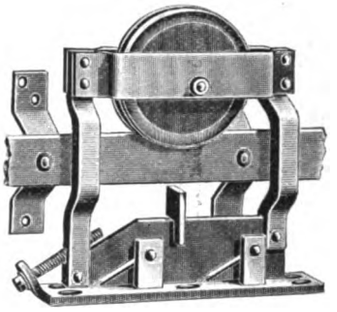
The Fernald Mfg. Co., North East, Pa., are engaged in manufacturing the Wire Anti-Rattler of which we give an illustration below, and is one of their newest devices for this important use, and bids fair to supersede others less modern in construction which have hitherto been popular in the trade. This anti-rattler is extremely neat in appearance, very easily adjusted and sufficiently low in cost as to



enable it to be sold at a popular price that will create a wide distribution. The above company also manufacture Burton's Anti-Rattlers, Nos. 1, 2 and 3, and also the Wire Drive and Gem wire anti-rattlers, Dandy clothes racks, thill supports, etc., making a good line of salable specialties for Hardware trade.

Lane's "Ball-Bearing" Parlor Door Hanger.

Lane Bros., Poughkeepsie, N. Y., have recently added to their line of valuable specialties a new parlor door hanger which will attract attention from architects who recognize the advanced mechanical ideas prevalent at this



time. This new hanger, as will be seen from the illustration presented herewith, while retaining all the well-known valuable features of the Lane's Standard Parlor Door Hanger, with which the trade is so familiar, has been greatly improved by the adoption of the steel ball-bearings which have made bicycles so successful in ease of propulsion. A parlor door hanger constructed so conscientiously is more expensively made than by the usual methods, and is justified by the fact that its position in the frame work of the dwelling when in use, is so extremely inaccessible. The makers lay considerable emphasis upon the excellence of this bearing, which conforms in every particular to the latest bicycle practice, and they firmly believe the improvement will be highly regarded by all architects to whose attention it may be drawn, and be fully appreciated by the dealer.

The Fulton Sign and Price Markers.

The Fulton Stamp Works, No. 22 Beekman Street, New York, are introducing to the Hardware trade, through whose agency large sales can be made, the Fulton Sign and Price Marker, which we illustrate herewith. (Fig. 1.) It is really a remarkably complete outfit, costing but a nominal sum, for by the aid of which, any business is enabled to supply their own show and price cards for store and window use; being handsome and attractively made, in this



FIG. 1.

manner they greatly facilitate the sales of such goods to which they call attention. The outfit consists of a series of rubber stamps embracing every letter in the alphabet of the size selected, which may be any size from ⅛ to 4 inches; it also includes the complete set of numbers, a variety of ornamental figures can be added as well as other features which a perusal of their unique catalogue will suggest. The two most popular sizes of letters used in the outfits referred to, are shown in Fig. 2 and Fig. 3, being 1 inch and 1⅛ inch respectively. Boxes

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and barrels can be very plainly marked by the aid of this useful outfit; bulletin boards for any line of business; bills of fare for restaurants; headings for sample cards in stores, and in a thousand and one ways they can be conveniently turned to profitable account, that would make them a valuable adjunct to the usual equipment for



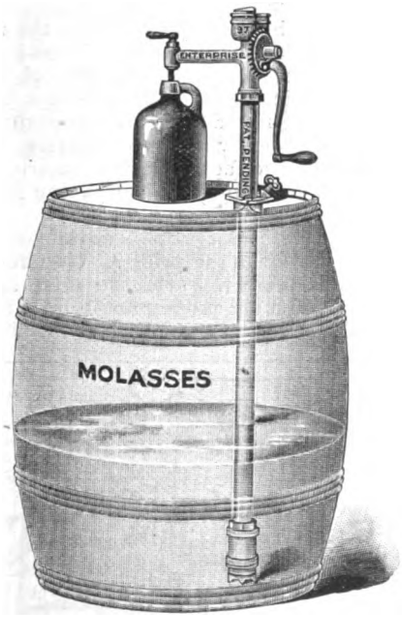
FIG. 2.

FIG. 3.

store use. They entirely supercede the use of stencils and the work is done more quickly and neatly, looking very much as though it was printed. The catalogue of these goods shows every style of letter and design which are obtainable. They can be used for every country, being suitable for any language. For the use of the export trade, catalogues are published both in English and Spanish, and will be supplied upon request of the manufacturer.

Enterprise Self-Priming and Measuring Pump.

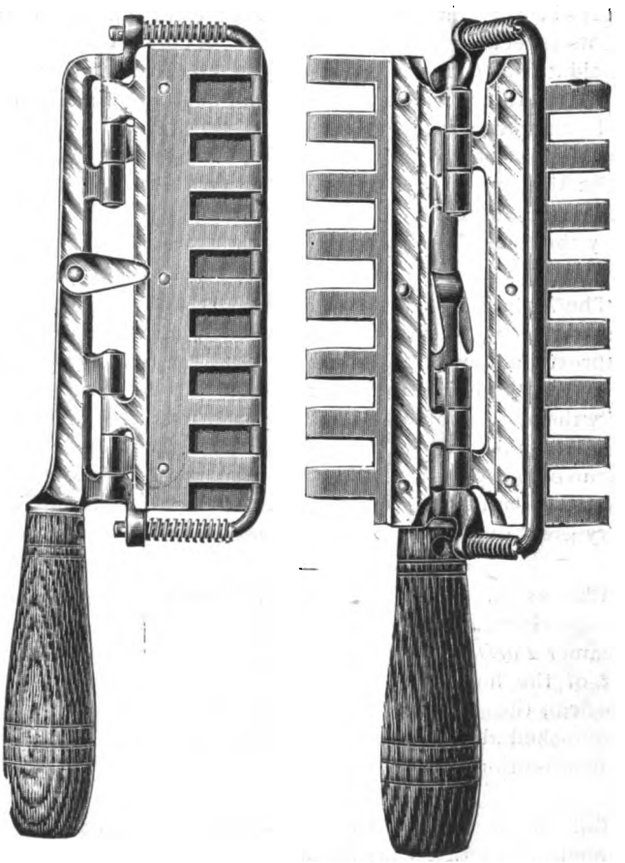
The Enterprise Mfg. Co. of Pa., Philadelphia, Pa., are placing upon the market the Self-Priming and Measuring Pump of which we give an illustration herewith. It is designed for the measuring of molasses, heavy oils, tar and other thick liquids, and is claimed by the manufacturers to possess advantages and novel features not to be found in similar goods, among which may be stated the following: No priming is required, as the pump is ready for use



immediately after insertion into the barrel. It has a patented clamp, oparated by a thumb-screw only, by which it is fastened to the barrel. A special three-inch auger is furnished, to use for boring a suitable hole for inserting the pump. It will pump all the liquid out of the barrel. When desired, the manufacturer will furnish an extended tube, by the aid of which liquids may be pumped from the cellar to first floor. It will pump equally as well any heavy liquid, the self-measuring feature pumping a gill with each revolution of the crank, four turns giving a pint, etc., all of which is properly and carefully registered on the dial. The fact that the Enterprise pump requires no priming, will recommend it strongly to the general trade requiring this appliance, as the want of this description of pump has made its use in many ways more limited and restricted than will now be the case. As it is tinned throughout, its constant cleanliness is thereby assured.

The Peerless Meat Tenderer.

John Chatillon & Sons, Nos. 85 to 93 Cliff Street, New York, have enrolled themselves among the benefactors of the human race by placing upon the market the Peerless Meat Tenderer, which we illustrate herewith. It possesses all the advantages which have made less modern contrivances prepare the way for this perfect appliance, and enjoys the distinction of being easily opened, readily cleaned



and conveniently sharpened. The ease with which it can be cleaned prevents the lodgment of particles of meat, which, left only a short time, become very objectionable to taste and smell. It is opened by simply pressing aside the catch, and this should make the tool very popular, such a device being almost indispensable in hotels, restaurants and meat markets.

Unexpected Prize.

A traveling circus recently paid a visit to Clitheroe, and, as an attraction, offered a prize to the man who could, as the Lancastrians term it, "pull th' ugliest mug."

The rules laid down were that each person should have three tries. Consequently competition ran high. Some of the contortions were horrible to behold. After all had done their level best to win the prize, the clown, who acted as a judge for the competitors, coolly confronted a man sitting in the audience, who was noted for his ugliness, and said:

"Tha's won th' prize, owd mon."

"Me?" said the astonished individual. "Wha, aw worn't trying for't."

"Tha'd noa need to try. Tha's won it wi'out."—*London Telegraph.*

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The Kearney & Foot Strike Ended.

The strike at the Kearney & Foot file factory, Paterson, N. J., came to an end on August 26, after the men had stayed out since April 15. The men return to work without conditions, being willing to accept the scale of wages they originally repudiated. About 100 men will have to remain out until they are sent for, as the works will not be ready before September 15, and owing to opening the branch factory at Kent, Ohio, the Paterson shop will employ fewer men than was customary before the strike.

L. D. Berger, manufacturer of tinners' Hardware and roofers' supplies, No. 59 North Second Street, Philadelphia, Pa., has issued two handsome cards, which illustrate several things in connection with his successful business. The first of these says "There's Money In It"—which means in Berger's Circle Eave Trough Hangers. The other points especially to "Two Things." These two points are elucidated as follows: "When you buy Roofing Tin, you want two things: First thing—good quality—tin that will last—tin that is made intelligently—tin that will stand the onslaughter of sun and rain and snow. Second thing—you want the price to be right. You get both those things when you buy of me. L. D. Berger's Old Method is not only the finest Roofing made, but the price is low."

The Armstrong Mfg. Co., Bridgeport, Conn., and No. 139 Centre Street, New York, have recently made a number of improvements wanted by the trade in their No. "O" Pipe Machine, ⅛ to 2 inches, and it is referred to as "unquestionably the most complete and universally liked tool of its kind on the market to-day." They are also making this machine to run by power as well as by hand, to suit the work of large shops and mills, and report that the demand for it has been very great during the last few months.

Charles E. Jennings, of C. E. Jennings & Co., No. 79 Reade Street, New York, started September 8, on the steamer *Paris*, upon his annual trip to Europe, in the interest of the important lines of special goods controlled by his firm, the growing markets for their products already established abroad through his efforts necessitating continuous attention.

Col. A. A. Pope, president of the Pope Mfg. Co., returned to America some days since on the American liner *Paris*, the picture of health and happiness. In response to the inquiries of a reporter, he spoke well of business conditions and the outlook for the future.

When values are hardening the heart of the mercantile man begins to soften.

Review of the Markets.

Trade circles in every part of the country show an impetus which for a long time to come will prove irresistible, and upon which predictions and prophecies have become certainties. Staples, such as nails and heavy Hardware, are feeling the effects of these improved conditions, and lead the procession in the confident stiffening of prices which will rapidly become more general in all the other leading lines.

Wire Nails: As our wire nails have now precedence over those of Germany, where both are known, large shipments have recently been made on export account, which, combined with unusually full requisitions from the jobbers to replenish their stocks, has had the effect of creating a degree of stiffness to the market gratifying to notice. The price will be well sustained and will undoubtedly touch higher figures, when the thousands of retailers make a movement to secure their supply for fall trade, this demand always coming late on account of the length of the season. The price has advanced and is firmly held as follows: Carload lots at mill, f. o. b, $1.40. New York prices: Carload lots on dock, $1.55; smaller lots from store, $1.65.

Cut Nails: The demand for cut nails strengthens in harmony with that of wire nails, and increasing sales are the result; prices have not materially advanced as yet, being held as follows: Carload lots on dock, New York, $1.33; smaller lots from store, $1.43.

Linseed Oil: Under date of August 30, the Dean Linseed Oil Co., No. 181 Front Street, New York, quote prices as follows: In lots of less than 5 barrels, 39 cents per gallon; in lots of 5 barrels or more, 38 cents per gallon. Boiled linseed oil, 2 cents per gallon higher. Calcutta oil, 54 cents per gallon.

THE BIRMINGHAM TRADE.

There has been a decided improvement in the manufacturing and commercial interests of this district. The mines and furnaces are working on full time, with a ready demand for their products, thus giving a full pay-roll which will distribute more money and improve the condition further. The machine shops and factories are behind with their orders, and our people are more cheerful. The architects are also busy and the contractors have work to do. Add to this the railroad building, which will give our State several hundred miles of new railroad, and also three large cotton factories now under construction, and you will see that our claims are not altogether theoretical, but based on good foundation. Perhaps the national lawmakers will conclude that because these are simultaneous with a raise in the tariff, that that is the producing cause, but this seems to us to be poor logic, since the law has not had time to prove what its effects will be. We might better reason as to the effect of the law by watching the results of a quarter of a century of high tariff, which has had the effect of lowering prices of merchandise and also of labor—since the duty on many articles has ceased to be a factor in the price which is now regulated by home competition, many of the articles being sold down approximately to the duty. This is also shown in the fact that the American manufacturers are exporting with profit, even paying freight to get into competitive territory.

Who can say that the duty on steel rails or steel billets or pig iron is any factor in the price? We understand that a high tariff is intended to raise the price and help the manufacturer sell for more money and to pay better prices to labor; once this was true, when we could not supply our



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home demand, but since we have plenty and to spare the price is made by home competition and it is no longer true. Now the high tariff advocate is like a man rowing a boat—he looks in one direction and travels in the other. The doctrine of protection is wrong; it teaches the citizen to look to his government for aid, when the true doctrine is that the government must look to the citizen for support and leave the individual largely on his own resources, thus thoroughly developing the citizen and calling forth his best efforts. The sub-treasury plan of the farmer to borrow government money cheap grew out of the doctrine that he had equal rights with the manufacturer at the treasury of Uncle Sam, and who will say he has not? The Chicago convention is a more vigorous youth of the same school. Let the tariff-maker wait awhile before reaching conclusion too soon. It is true we see signs of prosperity, but a kind Providence, in furnishing large harvests and a heavy export demand, has done more than all of the lawmakers could ever do, by keeping the balance for Uncle Sam on the right side. The shallow doctrine that the volume of currency regulates the price seems to be well refuted. The effect is going in the natural channels from wheat, cotton, iron, etc., to the money instead of the money to the product. The rise in wheat and cotton will give us a large increase in the volume of currency, and that, too, of the best kind and not of a cheap, irredeemable kind. This has been the case, and will ever be, that when there is a substantial demand for money it usually comes, and comes only when there is work for it to do. We are hopeful and cheerful. Why not be?

MOORE & HANDLEY HARDWARE CO.

THE PITTSBURG TRADE.

The coal strike is the question of most interest in local affairs at present. The contending parties seem to be getting close to a settlement of their differences at this writing, and if this is effected within the next few days, the mercantile part of the community, at least, will be truly thankful. The public cannot enter into all the complexity of questions in such a contest as that now ending, but will be satisfied if a substantial basis is reached that will give living wages and steady work. We might say, however, that probably the underlying factor in the whole thing is, the big operator using machinery versus the small operator using hand labor, and it is not hard to say which will eventually win.

A fair volume of business is doing, but no great stir, and "prosperity" might strike us a good deal harder than it has, without injury.

A movement has been started to follow the example of the Eastern cities, in offering special inducements for merchants to visit our city during the Fall months.

We have a good deal to show people if we can get them here, and a visit will open the eyes of a good many people who think we have nothing to show but coal mines and iron works. We have these, and besides beautiful parks, and public and private buildings, worthy of the time spent in viewing them, besides merchants able to compete with any city East or West.

LOGAN-GREGG HARDWARE CO.

THE BALTIMORE TRADE.

Have you ever experienced the joy of meeting, after a long absence, some cherished friend? Of course you have. You are advised that he will reach the station at a certain hour. You make it a point to be there on time. You wish to be the first to greet him, and take up a position as near the gate as possible. In comes the train, the locomotive blowing and puffing like a thing of life. The passengers alight—slowly at first, then more swiftly—they pass through the gates. How eagerly you scan each travel-stained face, seeking for the long absent friend! They pass you by without sign of recognition; the gates are closed—your quest has been in vain. Your heart sinks at the disappointment—the anticipated pleasure, as a broken goblet, lies shattered at your feet. You turn to leave the depot when a voice calls out "Hello! Old Fellow," and before you stands the object of your search—taller than of old, broader and browner, but with the same glad light in his eyes, the same hearty clasp of the hand.

If the above recital appeals to the social side of your nature, there is another almost parallel which might interest the commercial part of your being. For the past twelve months the business world has been awaiting the coming of General Prosperity (portly, pompous old General Prosperity). At different times and in divers places his presence was announced; but upon investigation the reports proved fallacious. False prophets arose in the land proclaiming his advent from the housetop and editorial den. But he failed to materialize. Even with the help of an advance agent, the coy old codger, like some fractious prima donna, positively refused to put in an appearance. Weary with watching and waiting we turn to leave the station, when lo! he is in our midst. "How did he come in?" Opinions differ as to that. Some say via Klondike; but the writer's humble opinion is that he arrived on the Western limited with the first train load of dollar wheat.

Now to get down to business. Trade in this section has been very active, the closing days of August bringing in the largest volume of orders we have had for a long time. From all sections of territory tributary to this market (except the coal mining district) orders are coming in freely, quantities fair and well assorted. An active demand for seasonable goods and free purchases of staples and shelf hardware—guns, particularly in the cheaper grade of Belgian breech loaders, are moving rapidly, ammunition, without profit, being, of course, a prime favorite. Cutlery sales show a marked improvement.

A local cause for considerable gratification presents itself in the statistics of exports from this port. The month of August has been declared the banner month for exports from the port of Baltimore. The grain shipments exceeded nine million bushels, having a money value of $10,243,391.

While eighty-five foreign bound vessels and steamers were engaged in moving this vast export, it is with regret we admit that not one floated the American flag. This condition calls for some remedy.

Collections show continued improvements.

TABB & JENKINS HARDWARE CO.

THE CHICAGO TRADE.

We have but little time now which we can afford to devote to letter-writing. We are too busy buying Hardware to fill our orders, which, we are pleased to say, are more plentiful than they have been at any time during the past eighteen months.

Our August business was twenty per cent. greater in amount of goods billed than that of August, 1896, and on account of the differences in prices, it was probably twenty-five per cent. greater in bulk of goods shipped.

We think that the condition of our business fairly represents that of the Hardware trade of Chicago.

We can hardly see why, under the improved condition of trade, Hardware prices have not advanced more; perhaps Hardware manufacturers have learned prudence from past unsuccessful attempts to boom prices, and now err on the side of caution.

It seems to us that the present active demand for Hardware warrants more decided advance in prices. In this market prices of all other lines of merchandise, groceries, provisions, dry goods, leather, etc., have advanced more

STUBS' TOOLS.
FRENCH FILES & RASPS.
S. J. ADDIS' LONDON CARVING TOOLS.
HAMMACHER, SCHLEMMER & CO.
DIRECT IMPORTERS
209 BOWERY NEW YORK.

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Seymour Cutlery Co., ESTABLISHED 1889.

—SUCCESSORS TO—

HENRY SEYMOUR CUTLERY CO.,

Office and Factory, Holyoke, Mass., U. S. A.

Seymour Shears ARE THE STANDARD.



Every pair is fully warranted and if found imperfect from any cause will be replaced with perfect shears.
No commission house is sole agent for the SEYMOUR SHEARS.
Notice our imprint on every paper pocket inclosing shears.
Write for Catalogue and prices.

OILERS

25c. **10c.**



Highest Grade Oiler.
DOES NOT LEAK.
Regulates supply of oil.
A little higher in price but,—



The Best Medium Grade Oiler.
Made in best manner possible.
Second to none but the "Perfect."

CUSHMAN & DENISON, Mfrs., 172 9th Ave., N. Y.

than Hardware has, and merchants in all lines report good demand for their goods.

Of course, the market here for Hardware is strong and all changes which take place in prices are upward, but the fact remains that Hardware prices are low and have not advanced in proportion with other commodities, consequently we look for a gradual but constant improvement in this direction.

We feel that prosperity is near, and that if there remained six months more of 1897, instead of four, we would yet make a good and prosperous year of it.

WELLS & NELLEGAR CO.

THE BUFFALO TRADE.

It affords us great pleasure to be able to re-echo the glad tidings that the signs of improvement in business are gradually increasing.

There is no chance in the assertion that reports of late are welcome to all and are gratifying in the highest degree. As for ourselves, we have no fault to find with the first half of the year, nor can we really complain of the past two months; still they do not compare as favorably with the corresponding period of a year ago.

In pinning our faith to the continued improvement, we do not do so in the hopes of a boom. On the contrary, we earnestly hope that this will not occur. We much prefer a gradual and permanent increase. This would be a healthy state of affairs, and there would be no bad result to follow.

It appears to us that a great deal depends on the individual as to the permanency of the present business revival. That is, good business judgment must be the foundation. Manufacturers should be judicious and not overload the market; buyers should be cautious in their purchases, and not anticipate beyond their legitimate and apparent actual requirements. With these fundamental principles kept before us, and heeded, there will be less danger of evil results later on. The whys of this we need not enumerate, for the intelligence of the business men of to-day is too keen to require it. Suffice it to say that it is far more agreeable to have a demand for our wares at a fair profit, than it is to be continually forcing the goods on the market at slaughtering prices. With manufacturers fairly busy, competition is not so keen, the market firmer.

With the jobber supplied with orders, there is far less cutting in price.

It may be of interest to say a word in relation to the coming convention of the National Hardware Association of the United States, which will convene in our city early in November. We are looking forward to this occasion with no little degree of pleasure. It will bring to our city some of the most noted and successful business men of this country, and we shall then hear, from their own lips, something of the welcomed prosperity, which by that time will doubtless have reached all points of the country. The time for the meeting is most opportune, and we are most confident that the benefits derived will be profitable indeed.

It will give us great pleasure to greet each individual member of this Association or their representative, and to extend to them a most hearty and cordial welcome.

WEED & CO.

THE DAVENPORT TRADE.

Sales for August exceed those of same month in 1896. Linseeed oil advances became a little too hot, boiled over, and have settled two or three cents. Putty sticks at highest point reached. Pig lead is higher, and white lead corroders are squealing for a corresponding rise. Wire nails sustain about ten to twelve and a half cents greater market strength,

JUST

TO REMIND YOU OF OUR

SPOKES

CARRIAGE WOOD-WORK

AND HANDLES

OUR factory's completeness, in every detail.
sales larger than ever.
low prices and high quality.
appreciation of an opportunity to quote.

Geo. S. Parkes & Co.,

Nashville, Tenn.

Catalogues Wanted. . .

Wanted Manufacturers and Jobbers to send Catalogues of different lines of goods with best quantity, prices and terms. We close out jobs of all kinds FOR CASH. Send samples for approval. We handle big lines of 5 and 10 cent goods. . . . . .

WM. KLINE, New Orleans, La.

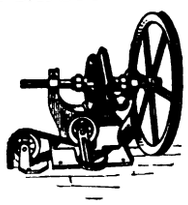
PROPRIETOR OF

Boston Twentieth Century Store.

Kline's Strictly 5 and 10 Cent Store.

THE COLUMBIA SAFETY.

Self-Retaining Dumb Waiters



Elevators,

Cellar Lifts and Speidel's Safety Hoists. . . . . .

Manufactured by

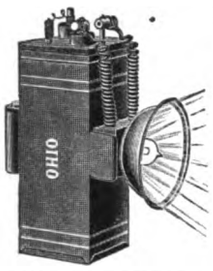
J. G. Speidel,

Send for Catalogue. READING, PA.

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WE UNDERSELL ALL.

It gives a Light that's White and Bright,
And two cents is the cost per night.



Bicycle Elec. Lights.	$4.00
Necktie Elec. Lights.	1.50
Edison Elec. Motors.	1.00
Battery Fan Motors.	5.00
98 Medical Batteries.	3.95
$100 Bicycles, best make.....	39.00
$1.25 Bicycle Bells....	.50
Electric Bells, finest.	.30
Dry Batteries, best..	.25

Discount to Dealers.

Our Bicycle Electric Ligh is the best thing that ever happened. . . . . Catalogues free.

OHIO ELECTRIC WORKS, CLEVELAND, O.

STANLEY'S

UNIVERSAL PLANE.

INCLUDING:

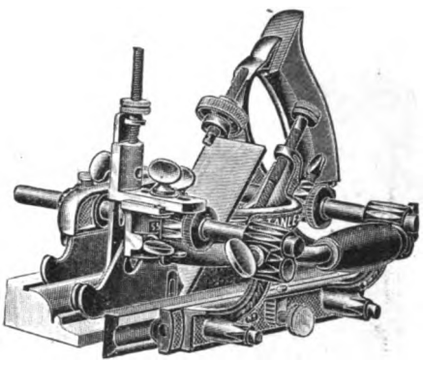
Moulding Plane, Match, Sash, Chamfer, Beading, Reeding, Fluting, Hollow, Round, Plow, Dado, Rabbet, Filletster and Slitting Plane.

No. 55. Universal Plane, $16.00

WITH 52 CUTTERS.

☞ The Plane is Nickel Plated; the 52 Cutters are arranged in four separate cases; and the entire outfit is packed in a neat Wooden Box.

SOLD BY ALL HARDWARE DEALERS.



while cut steel nails are gradually increasing their hold on consumers here. A clear advance of ten per cent in window glass is maintained without a break. Increased cost of fibre has twisted rope up two or three points; it will stand a still greater strain. Drop shot has fallen about five cents per bag.

Hard times have left here, and will probably pick out Klondike for an abiding place.

SICKELS, PRESTON & NUTTING CO.

THE OMAHA TRADE.

The conditions of trade have never been more favorable in this locality since the spring of '92. A bountiful crop has been harvested in the line of small grain, and, unless in case of an early frost, the corn crop bids fair to be at least equal to anything that has been harvested in the past. The prices are such as to afford a handsome return to the producer. In fact, particularly in the western part of the State, where the crops appeared to be the heaviest, instances have been reported where the yield of winter wheat per acre was from thirty-five to forty bushels, and this, at a market price of sixty cents, yields a very handsome return on land that has been held to be worth in the neighborhood of $10 per acre. Mortgages and other obligations are being rapidly liquidated, and conditions are improving more rapidly than the most sanguine could have expected, and there appears to be nothing in the way of a fall trade that will tax to the utmost the capacity of the dealers to handle.

RECTOR & WILHELMY CO.

THE TOLEDO TRADE.

Although there have been no letters from Toledo for several issues, you do not want to take it for granted that we have been taking a vacation all this time; neither do you want to take it for granted that we were so busy that we could not have penned a few lines.

The fact of the matter is, we could not raise ambition enough to do anything except what had to be attended to. We were lazy.

In reviewing the trade for the last eight months, we find that we have handled considerable more merchandise in tonnage this year than the year before for the same period, but owing to the differences in valuation, and the extreme low prices at which goods have been sold this year, the same does not exceed last year's sales in dollars and cents.

For the next four months we anticipate considerable of an increase in business over last year. Orders are coming in more plentifully, quantities are larger, and more items, so that we expect our old-time activity for the balance of the year.

Prices on staple lines are steadily advancing, which encourages buyers to purchase more liberally. Already we are having considerable difficulty in getting orders filled from the mauufacturers, which goes to prove that the manufacturers in the Hardware lines are busy.

Nails and wire have taken quite an upward jump. The price on bolts, screws, sheet iron and bar iron has stiffened, so that we believe the time of declines has passed, and that it will behoove dealers in general to keep a plentiful supply of goods on hand.

With abundant crops that are bringing good prices, and people employed, we have come to the conclusion that the good ship "Prosperity" has at last entered upon the Commercial Seas.

May she sail through placid waters, and not encounter any storms that might retard her progress!

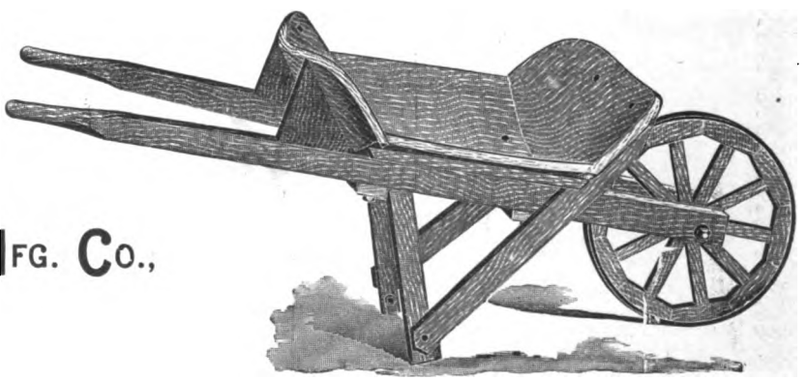
STOLLBERG & CLAPP CO.

THE COLUMBUS TRADE.

Fall trade has started in very satisfactorily, and the orders average larger than they have for some time. The outlook is very encouraging for a big fall trade. Prices are more firm and many articles are higher. Nails and wire are steadily advancing by small degrees, which is better than one big leap. We hope neither one will go above a legitimate price, for the reason that they would soon drop back. We don't think they are too high yet, but with the stimulation in trade and the mills full of orders which they cannot bill promptly, there is danger of operators getting their ideas of profits a little too high. We hardly think they will lose sight of the fact that there are a great many idle nail machines that were in operation during the nail boom, that will be put in operation again if there is a good margin of profit offered. Rope has started on the up-grade also; sisal has advanced one cent from the lowest point. The corn crop will soon be made if the favorable weather that now prevails continues, and it will, no doubt, be very large, as there never was a more favorable outlook. Farmers are not complaining this fall, which is a very agreeable change. For two or three years they have been buying on credit; now they are paying cash in most cases. Last week in a neighboring town a lumber dealer had seventeen farmers' wagons at his yard buying lumber, and he

"SCIOTO" for R. R. or Canal Work.

A thoroughly first class bolted barrow. Full sized Tray. Well planed, cleated, braced and bolted. Legs and cross pieces gained. Knocks down for shipping and is easily set up.



THE KILBOURNE & JACOBS MFG. CO.,

COLUMBUS, OHIO.

Producers of BARROWS, SCRAPERS, ROAD MAKING MACHINERY, STEEL SHAPES, Etc., Etc.

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LACLEDE and HERCULES
BATTERIES

For Door Bells,
Telephones,
and Annunciators.

WARRANTED stronger and longer lived than any other Sal-Amoniac Battery made. . . . . .

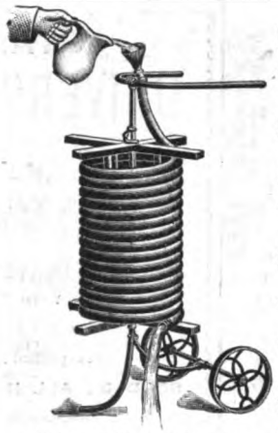
MADE ONLY BY

PERU ELECTRIC MFG. CO.,
PERU, IND

ALSO MAKERS OF
ELECTRICAL PORCELAIN
OF ALL KINDS

◆ Send for Catalogue. ◆

said every one paid cash—a thing that had not been done for three years. Another merchant, a clothier in a small town, sold fifteen suits of clothes in one day and every one paid cash. We mention these instances to show that the long looked-for change from all charge to cash is a reality. In conversation with John F. Baker, of Dayton, Ohio, last week, he said he sold more tools in the last two weeks of August than he had from the first of the year up to that time. This is an indication that mechanics in Dayton have employment in sight. And we think it safe to say that every city can see a marked improvement in that branch of the Hardware business. An indication of the activity of Columbus factories is noticeable from the garden roofs in our city. A lady complained that her apartments had been very pleasant until lately; but now there was so much smoke from the factories that it is disagreeable; at the same time she was very glad to see the smoke. Another good showing is made in the cancellation of mortgages. A prominent attorney, and a strong Democrat, too, said that there had been over four million dollars of mortgages cancelled in Franklin County since January 1, 1897. These are certainly encouraging signs. We don't want to see a boom; but we do want, and expect to see a good business from this on. If we could be spared the blight of another presidential campaign for about eight years, it would, no doubt, be a blessing to the whole country. Some hungry office-seekers would feel bad; but that would not hurt business. Columbus was full of people last week during the State fair, and many out-of-town merchants were here and took in the fair, and also bought quite liberally. Columbus will have numerous attractions the rest of the month with low railroad rates, and, no doubt, many merchants will avail themselves of the opportunity of visiting the best jobbing city in the State. SMITH BROS. HARDWARE CO.



Patented January 5, 1897. Others applied for.

IT EXPLAINS
Why it is
Superior to all other
Hose Reels. This
The Hartzell
Self-Draining Hose Reel
will carry more hose,
it will **drain, preserve** and
greatly increase
the **durability** of **Hose.**

It is a beautiful ornament for a lawn. It is convenient, light, strong. It will please your customers as it saves money. For prices and Sample Reels, address

The Hartzell Novelty Works, (Sole owners and man'f'rs) ALLIANCE, OHIO.

HIGH-GRADE RUBBER

Possesses a life and elasticity not found in low-grade at the start, and not to be imparted to it by any subsequent handling. A man can't give away what he hasn't got; neither can rubber—it is simply impossible for low or medium-grade goods to give the wear of high-grade. The wear of water-hose depends on the rubber tube; if the tube leaks, the duck next the tube rots and weakens the hose until it bursts. Leaks come from pin-holes or cracks; fine rubber prevents both—pin-holes, because it contains no foreign matter to interfere with the mixing—cracks because it is so full of life and elasticity that it is not injured by the continual bending and twisting of the hose. **1846 PARA AND DOUBLE DIAMOND HOSE HAVE UNUSUALLY FINE TUBES.**

BELTING, GARDEN HOSE, WATER HOSE, FIRE HOSE, SUCTION HOSE, STEAM HOSE, AIR HOSE, TUBING.	*Chicago, . . . 143-145 Lake St.* *Boston, ... 24 Summer St.* *Philadelphia, . 308 Chestnut St.* *St. Louis, . . . 210 N. 12th St.* *Indianapolis, . 79 So. Illinois St.* *San Francisco, 509-511 Market St.*	PACKING, GASKETS, VALVES, RUBBER TILING, RUBBER MATTING, EMERY WHEELS, SPECIALTIES, LEAGUE TIRES.

NEW YORK BELTING & PACKING CO. LTD

PIONEERS AND LEADERS, 25 PARK PLACE.

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. . . A Good File,

like a pretty girl, should have good teeth and a good temper;

If you can save money and get better results for the same outlay isn't it worth trying when the trial won't cost you a cent? : :

Tell us what kind of work you want to use a file on and we will send you a sample file for your foreman to try--- free. : : : :



Write for a copy of "Facts and Suggestions About Files," which every one should have who uses files on his work, or is at all interested in the subject. In addition to many practical points on the use of files, the book contains some 60 pages of section-lined paper especially adapted for mechanical memoranda. It will be sent to any one who addresses the New York office, 97 Chambers Street, and mentions this paper.

both these virtues and many others are embodied in

The Arcade File.

. . . The . . .
Arcade File Works,
118 Lake Street,
Chicago.

. . . The . . .
Arcade File Works,
97 Chambers Street,
New York.

WORKS: ANDERSON, INDIANA.

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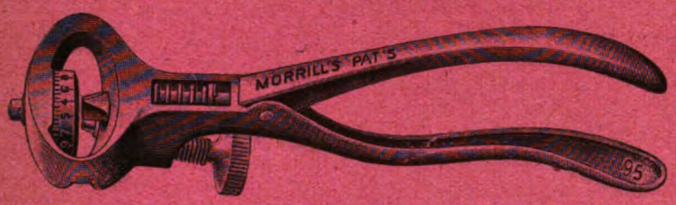
MORRILL'S

Saw Sets, Bench Stops, Punches, Cutting Pliers, and Seal Presses.

TRADE MARK

This Trade Mark is stamped on all Saw Sets and other Hardware Specialties of my make.

MORRILL'S MASTER-PIECE, No. 95.



The revolving anvil with indicator sub-divided and marked with figures, the figures showing the number of teeth to the inch in the saw to be set; for example, if the saw has four teeth to the inch, turn the anvil until the figure 4 comes up directly in front of the plunger, and so on.

MORRILL'S UNIVERSAL PUNCH



Seven and a quarter inches in length. An indispensable office tool. Powerful, simple, convenient, durable. Thousands now in use, with the highest satisfaction, in every branch of business.

MORRILL'S No. 5 SAW SET.



15 Inches in Length.

For Timber and Board Saws, from 6 to 14 gauge. The size of the saw in circumference makes no difference.

These sets are made strong, accurate and durable.

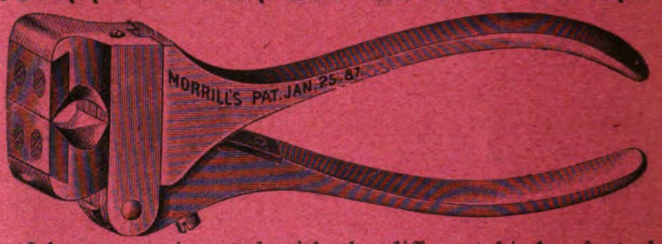
Saw teeth should never be twisted, but set at right angles to their points.

MORRILL'S No. 1 IMPROVED.



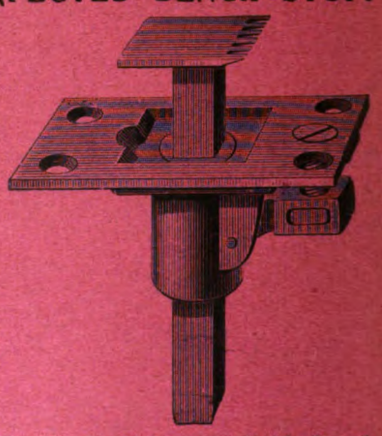
For Hand, Band and Jig Saws, from the widest made down to ¼ inch. The Sets are too well known for me to enlarge on them.

MORRILL'S PERFECT CUTTING PLIERS.



I have experimented with the different kinds of steel from all parts of the world, until reaching a satisfactory result, viz. Cutting *Piano Wire*. I now have the confidence to recommend the Cut Nippers over my signature, as being the best tool of the kind ever offered on sale.

MORRILL'S PERFECTED BENCH STOP.



No wood worker can afford to do without a reliable Bench Stop or hook, as it is sometimes called. The end that the screw is in should always be towards the operator. The spindle and working plate is of WROUGHT STEEL. The body is of malleable iron, rendering it the most durable and useful Bench Stop ever put on the market.

Write for Catalogue and obtain a complete list of specialties from which the few cuts above have been chosen.

CHARLES MORRILL, 35 Warren St., New York.

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THE BEST IN THE CITY.

Deposit your Securities and Valuable Papers and Silverware in the new vaults of

National Safe Deposit Co.

OF NEW YORK.

THE MUTUAL LIFE BUILDING,
32 Liberty Street, New York.

Safes $5.00 per Annum and Upwards.

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J. LYNCH PENDERGAST, SECRETARY AND MANAGER.

DIRECTORS.

JOHN W. AUCHINCLOSS, - OF AUCHINCLOSS BROS.
FREDERICK O BARTON, - OF MINOT, HOOPER & CO.
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The Mutual Life Insurance Company

OF NEW YORK,

RICHARD A. McCURDY, President,

Is the Largest Insurance Company in the World.

The Records of the Insurance Department of the State of New York SHOW THAT The Mutual Life

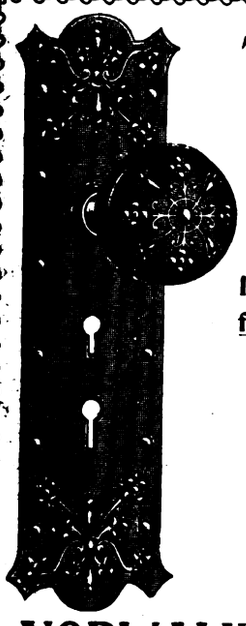
Has a Larger Premium Income,	($39,000,000)
More Insurance in Force,	($918,000,000)
A Greater Amount of Assets,	($235,000,000)
A Larger Annual Interest Income,	($9,000,000)
Writes More New Business,	($136,000,000)
And Pays More to Policy-holders,	($25,000,000 in 1896,

THAN ANY OTHER COMPANY.

It has paid to Policy-Holders since its organization in 1843, ($437,005,195.29)

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Trilby Design

(Wrought Bronze)

In Old Copper finish is a favorite for

Front, Vestibule.

Inside, and Sliding Door Sets Complete.

Bell Pushes, Etc.

NORWALK LOCK CO.,

Manufacturers of Builders' Hardware,

Factory and General Offices,
SOUTH NORWALK, CONN.

SALESROOMS:

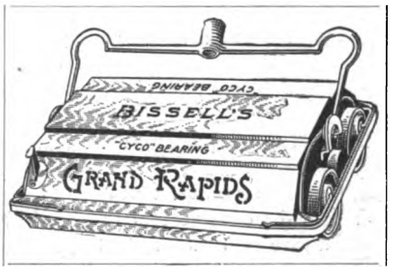
NEW YORK, 80 Chambers St., or 94 Chambers St., (UNDERHILL, CLINCH & CO.)
BOSTON, 200 Franklin St. (CHAS. A. CUNNINGHAM.)
CHICAGO, 36 Dearborn St.
BALTIMORE, 32 Hopkins Place. (HENRY KEIDEL & CO.)
PHILADELPHIA, 13 North Sixth St. (HERY A. TERRY.)

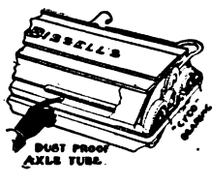
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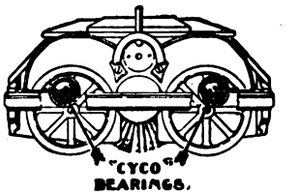
Important Reduction in prices of

BISSELL'S

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Amherst, Mass.—Julius H. Trott.

Austin, Tex.—Caspary Hardware Co.

Bangor, Me.—Eugene Bradeen.

Fieldon, Ill.—F. Rowden. and F. Heitzig.

Gifford, Ill.—R. Carly.

Kansas City, Mo.—The Ferguson Implement Co. has been incorporated by W. R. Evans. Emma L. Ferguson and Gilbert J. Ferguson. Capital stock, $10,000.

Moline, Ill.—William Runge.

Nashville, Tenn.—The Woodruff Hardware Co.

Ontonagon, Mich.—G. Hillegass.

Port Henry, N. Y.—R. Langdon.

Walhalla, N. D.—McMurray Bros.

Williamsville, Ill.—Harley, Price & Co.

Changes and Removals

Barnard, Mo.—M. L. Parrish, succeeded by A. W. Strader.

Belfast, Me.—J. H. & J. W. Jones, Hardware dealers, have dissolved. The business will be continued at the old stand by Capt. J. W. Jones. J. H. Jones will continue as salesman for Baldwin, Robbins & Co , of Boston.

Delphos, Ohio.—Frank and Henry Gembe, of this city, and Chas. Busch, of Brookville, Ind., have purchased the Hardware store of George Auer, the finest and largest establishment of its kind in Delphos. The style of the firm name will be Gembe Bros. & Busch.

Frankfort, Ind.—Reed, McIntyre & Co. have dissolved. Mr. McIntyre will continue business at Frankfort, and Reed & Carter will run the implement store at Hillesburg.

Glasco, Kan.—Geiger & Co., succeeded by B. H. Geiger.

Hamilton, Va.—Bain & Paxson, corner King and Royal Streets, have dissolved, W. H. Bain having purchased the interest of Mr. Paxson.

Logansport, Ind.—Mrs. G. H. Prescott sold out to Mrs. J. Johnson.

New Hampton, Ia.—It is reported that A. F. Markel has purchased an interest in the implement and Hardware business of C. E. Marr.

Norwich, N. Y.—John W. Bingham has purchased the interest of Edward L. Rice in the firm of Holmes & Rice, entering the business September 1st. Mr. Bingham has been bookkeeper for the National Bank of Norwich for several years.

Pepin, Wis.—James Hallworth's stock has been purchased by C. F. Marcks.

Port Huron, Mich.—Sturmer Bros. have leased the Balmar block of Schoolcraft & Co. and will conduct business in same.

San Angelo, Tex.—John Findlater has sold to Haglestein Bros.

San Diego, Cal.—J. B. Daniel succeeded by Jason Hickey.

Stamford, Conn.—Tafft & Davenport succeeded to the business of J. G. Houghton, which they have acquired by purchase.

Stryker, Ohio.—Peter Charpist, whose large store was destroyed by fire last winter, intends erecting a fine new business block. Mr. Charpist has been in the Hardware business at this place for nearly forty years.

Terre Haute, Ind.—W. D. Morris & Co., No. 421 Main Street, have sold out their business to C. C. Smith's Sons' Co.

Union City, Mich.—Buell & Spring, stock purchased by Mr. Boise who will continue the business.

Van Couver, Wash.—Bennett & Co. have dissolved. J. B. Dupius continues.

Washington, D. C.—John B. Espay, No. 1010 Pennsylvania Avenue, has succeeded L. H. Schneider's Son.

Watkins, N. Y.—S. E. Banks of Ithaca, N. Y., has sold his interest in the Hardware firm of M. T. & S. E. Banks to A. C. Woodward, who for twelve years was clerk of Schuyler County.

Westerville, Ohio.—W. O. Bacon business purchased by W. C. Bale.

Williams, Ia.—Swanay & Utely succeeded by S. A. Allen.

Whitehall, Wis.—Peterson & Ekern, have dissolved partnership. They will be succeeded by Huleatt & Ekern.

Yankton, S. D.—W. H. Loeffler is moving his business to Armour.

Business Embarrassments

Chariton, Iowa.—James Gillespie, store closed by sheriff.

Chicago, Ill.—The C. H. Gurney Co., heavy Hardware, have failed. The liabilities are $60.000. Assets slightly more.

Clinton, Mass.—Bartlett & Johnson, stove dealers, composed of George A. Bartlett, of Holliston, and Fred. O. Joslyn, of Clinton, by their counsel, William H. Fay, have filed a voluntary petition in insolvency. The firm has been in business in Clinton since December, 1895, coming here from Holliston, where they were in the same line. The firm succeeded H. S. F. Sears. They did a small business, and the hard times had a serious effect upon them.

Cripple Creek, Col.—The Victor Hardware Co., the ownership of which was transferred to H. P. Roby, of Colorado Springs, has been closed under writs of attachment aggregating $25,000. The writs were issued from the United States District Court, and were served by United States Marshal Lovell, of Denver, who now has psssession of the store.

Cumby, Tex.—J. H. Blount, dealer in Hardware and farm machinery, made an assignment recently to M. M. Green for the benefit of his creditors. Liabilities, $2200; assets, $1000.

Scottdale, Pa.—O. A. Miller, store closed by the sheriff.

Iowa Falls, Iowa.—G. H. Wilson & Son, of this city, have made an assignment to the State Bank of this place for the benefit of their creditors. Their line is agricultural implements, and while they have done a good business, poor collections have necessitated their taking the step. The assets and liabilities are being computed and an invoice taken, but no figures have as yet been given out.

Nelsonville, Ohio.—E. D. Warren, store closed by sheriff under attachment. The inventory foots up $3800, and the claims already filed amount to $3500.

New York, N. Y.—Geo. V. Ellis, No. 245 West Twenty-sixth Street, has assigned to Edwin F. Stern without preference.

Princess Anne, Md.—E. P. Elsey, Hardware, made an assignment in favor of his creditors, naming P. M. Smith as trustee. Assets and liabilities unknown.

Seneca Falls, N. Y.—L. H. Cary, Hardware dealer, made an assignment to A. S. Pollard, for the benefit of creditors. Dull business and poor collections are said to be the cause of the failure.

Toronto, Canada.—L. H. Timmons & Bro., general store, Mattawa, have assigned to D. A. Dunlop.

Recent Burglaries.

Buffalo, N. Y.—Beals & Co. Loss, $500.

Conneautville, Pa.—J. S. Krick. Loss, $25.

Effingham, Iowa.—The Wallack Hardware store. Loss, $50.

Fairgrove, Mich.—H. W. Johnson. Loss, $25.

Flint, Mich.—Foote & Church. Loss, $50.

Greenville, Tex.—Collins Hardware store. Loss, $25.

Millersburg, Ohio.—A. B. Reedy & Sons. Loss, $50.

Orrville, Ohio.—J. F. Seas & Son. Loss, $800, in postage stamps belonging to Proctor Seas.

St. Louis, Mo.—Witte Hardware Co. Loss, $50.

Recent Fires.

Ashley, Mich.—J. F. Busch, totally destroyed.

Catawba, Ohio.—C. F. McConkey; damage not stated.

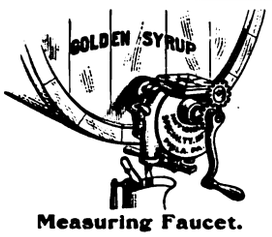
Charleston, Tenn.—A peculiar accident occurred here August 6th, entailing heavy loss. Hall & Johnson, Hardware dealers, had their large frame store building, 80x36 feet, "jacked up" three feet, with the purpose of raising the building. On the evening of August 6th one of the jacks slipped from under the building, allowing it to collapse. The entire building was demolished, and the stock of goods was ruined. The loss will amount to several thousand dollars.

Cleveland, Ohio.—Worthington & Co. $3000 by the recent floods. They expect the city to make good their loss.

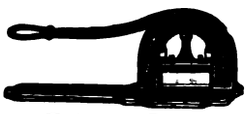
Greenwood, N. Y.—Willis Scribner, totally destroyed.

Ortonville, Mich.—C. F. James' Hardware store; damage, $1500. No insurance.

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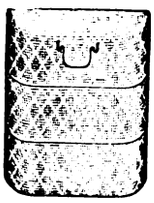
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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Buffalo, N. Y.—The Buffalo Bolt Co. was incorporated at Albany; the capital stock is $500,000, and the directors are Ralph H. Plumb, Robert C. Board and Herbert H. Hewitt, all of Buffalo. The corporation will continue the works of Plumb, Burdict & Barnard, recently purchased by J. J. Albright.

Canton, Ohio.—The Miller Pump Co. has been incorporated by W. H. Wagner, L. P. Vaisard, C. F. Shover and others, to manufacture steam pumps, etc. Capital stock, $1000.

Chattanooga, Tenn.—The Chattanooga Scale Co., Alexander Ford, proprietor, has commenced the manufacture of scales at No. 430 Boyce Street.

Chicago, Ill.—The Diamond Whip Co. has been incorporated at Chicago, to manufacture whips and vehicles. Capital stock, $10,000. Incorporators: L. E. Santer, Edward G. Henkel and Joseph Gramick.

Cincinnati, Ohio.—The Barker & Chard Machine Tool Co. has been incorporated by Wm. Barker, Nicholas D. Chard, Jesse Chard and others. Capital stock, $10,000.

Cleveland, Ohio.—The Moore Mfg. Co. has been incorporated by S. H. Chisholm, W. E. Cushing, A. La Juillard and J. H. Clarke, to manufacture and deal in Hardware and Hardware specialties. Capital stock, $50,000.

Cleveland, Ohio.—The Union Vapor Stove Co. has been incorporated with a capital stock of $10,000.

Decatur, Ill.—The F. E. Tait Mfg. Co. has been incorporated by F. E. Tait and R. W. Essick, to manufacture agricultural implements. Capital stock, $100,000.

Locke, N. Y.—The Locke Fence Supply Co. has been incorporated by Judson White, Fay Hewitt and Van Beuren Coggshall and others, to manufacture wood and iron fence posts. Capital stock, $500.

Los Angeles, Cal.—Matthews & Arnott Co. has been formed by Newell Matthews, W. E. Baxter, Geo. Arnott, Willard Arnott and C. F. German, to manufacture and deal in farm implements. Capital stock, $100,000. Stock subscribed for, $75,000.

New York, N. Y.—Roller-Sash Balance Co., of Northport, Suffolk County, has been incorporated to manufacture tools, machinery, Hardware, window sash balances, etc. Capital stock, $10,000. Directors: William J. Parsons, C. S. Corwin and H. M. Van Beuren, of New York City.

New York, N. Y.—The Hernsheim Architectural Iron Works has been incorporated by L. Hernsheim, Albert Anderson, Geo. H. Reese and others. Capital stock, $25,000.

Petaluma, Cal.—Western Refrigerator Co. has been incorporated. Principal place of business, Petaluma. Directors: Galen Burdell, M. A. Burdell, James B. Burdell, Burdells, Marin County; John M. Coleman and George Ortman, Petaluma. Capital stock, $100,000; subscribed stock, $15,000.

Plainwell, Mich.—The Ireland Mfg. Co. has been incorporated for the purpose of manufacturing Hardware specialties.

South Haven, Mich.—The Anchor Iron Fence Co. has been reorganized with a capital stock of $40,000.

Worcester, Mass.—Warren Specialty Mfg. Co, was organized recently. The capital stock is $6000. The concern will locate in Warren, and has rented a shop on Main Street owned by William H. Ramsdell. The company will manufacture steam packing tools, Hardware specialties, etc. The officers are: President, William B. Ramsdell; secretary and treasurer, Joseph G. Hastings; directors, William D. Ramsdell, Charles H. Packer, Henry S. Howe, Daniel G. Hitchcock and Joseph G. Hastings. The company intends to start September 1st.

Improved Conditions.

Anderson, Ohio.—The American Wire Nail Co. announces that its plant will start September 1st, with the old force of 750 men. Additions are being built.

Beaver Falls, Pa.—The rolling department of the H. M. Myers Shovel Co. started up in spite of the fact that this is the dull season in the shovel business. The axe factory is running full-handed again after a short shut-down. The new Keystone Axle factory is starting out encouragingly and will employ several hundred men.

Bridgeport, Conn.—The Bullard Machine Tool Co. closed its works until September 7th. The shut-down is necessary in order to get the factory into shape for the fall trade, repairs on the machinery and a general cleaning up being the rule at this time of year. There is a good list of orders already on hand, and the company predicts a season much busier than last year.

Canton, Ill.—The Parlin & Orendorff Co.'s plowshops started with a small force about ten days ago, expecting to run a couple of weeks. Owing to an increase of orders several hundred men are now employed and the works are running nearly to the full capacity.

Cleveland, Ohio.—It is reported that the Cleveland Machine Screw Co. has been sold to a French syndicate and that the new company will be capitalized for $3,000,000. It is stated that the plant will be enlarged. The price paid was a million. According to the report the French syndicate will take charge November 1st.

Dansville, N. Y.—The reaper and mower works of the Sweet Mfg. Co., that were recently destroyed by fire at this place, are to be built again very soon, The company has advertised for bids for the erection of the new plant.

New Castle, Del.—This place was made happy over the announcement that the Delaware Iron Works, most of the departments of which have been idle for some time, will resume operations at once with a force of 400 hands. Many of the people who live in New Castle depend on these works for a living.

Quincy, Ill.—The industrial situation in Quincy is one of gratifying activity. The shops and factories here are all running, and many of them have been compelled to put on two forces of men and run day and night to keep up with orders. This city is a fair index of the condition of affairs throughout the country, from the fact that there is a great diversity of interests here. There are over 400 shops and factories here, and the 6000 mechanics and operatives are employed in many different branches instead of in a few large plants. The Collins Plow Co. has been compelled to materially enlarge its plant, and is now running sixteen hours a day with a full force of men. William N. Brown, the president of the company, says they are crowded with orders for plows and hay presses.

Taunton, Mass.—Many changes for the better are taking place at Field's tack shop, including the removal of the old sluice way which has been of no use to anybody for many years. There is a proposition to erect a new building for storage purposes on the premises.

Troy, N. Y.—The Palmer Hardware Mfg. Co. have commenced operations in the foundry of the Empire Forge Co., which has been in disuse for some time. The Palmer Co. deals extensively in ironware, which has been cast in Pennsylvania and Ohio and shipped to the local firm. The new venture will insure more satisfactory workmanship and will at the same time furnish employment to residents of Lansingburgh, thus benefiting not alone the manufacturing company, but the village as well.

Recent Embarrassments.

Akron, Ohio.—John F. Seiberling, a veteran mower and reaper manufacturer, has assigned to his nephew, Francis Seiberling. The deed of assignment was drawn up and signed three months ago, before Mr. Seiberling went to the Pacific Coast, where he now is, but was held until August 20th. The property assigned consists of city and country property, on which there are mortgages of $73,000. Most of Mr. Seiberling's large holdings in local industries are already pledged as collateral. The total liabilities amount to a little less than $500,000, while the assets are only about $150,000.

Recent Fires.

Newark, N. J.—The saddlery Hardware shop of Matthias Grossner, inthe rear of No. 392 Bank Street, caught fire from an overheated furnace recently. An alarm was sent in and the firemen put out the blaze. The loss is estimated at $800.

Rockford, Ill.—The frame building occupied and owned by the Skandia Plow Co., located on Cedar Street just west of the Northwestern depot, was totally destroyed by fire recently—the loss being estimated at $6000. Insurance, $4500.

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Rigid Bracket, adjustable to either Post or Fork; Ball and Socket Joint, 50c. extra.
Absolutely Wind Proof.
Will not Jolt Out.
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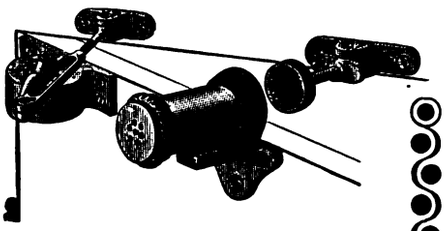
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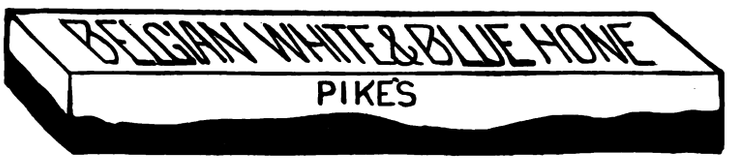
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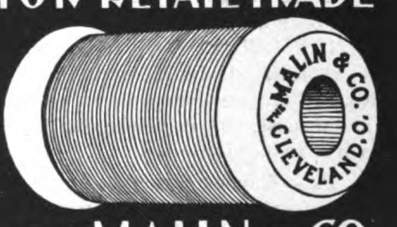
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FOR RETAIL TRADE



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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Charleston, S. C.—George J. Lanneau has just opened a bicycle agency and general repair shop at the corner of King and George Streets. The repairing department is complete in all its appointments.

Chester, Pa.—Taylor Bros., formerly of West Fifth Street, have opened the store and repair shop formerly kept by Mr. Swanger, on Eighth Street near Morton Avenue.

Lincoln, N. J.—This new and booming town already has an industry with a capital of $10,000. The Hollingshead Wertz & Granert Co. has been incorporated to manufacture bicycles. The capital of $10,000 is divided into 200 shares at $50 each, subscribed for by the following: Edgar Granert, Bound Brook; William R. Hollingshead, Brooklyn; Max F. Wertz, Arlington.

Riverside, Cal.—George F. Seger, bicycles, etc., sells carriages and implement stock.

San Francisco, Cal.—The Dorothy Lamp Co. has been incorporated by Daniel R. Williams, Jas. H. Jennings, Charles S. Burrell, Joseph B. Kennedy and Frank J. Burke; to manufacture and deal in lamps for house, bicycle and carriage use. Capital stock, $100,000, of which $25 has been subscribed.

Springfield, Mass.—C. Y. Jury, watches, clocks, etc., has opened new store at No. 771 South Main Street, and he will run a bicycle repairing department in the rear of store.

Springfield, Ill.—The Lincoln's Home Cycle Co., of this city, has been incorporated to manufacture and deal in bicycles. The capital stock of the new company is $2500, and the incorporators are H. W. Rokker, C. E. Saunders, Charles J. Ambs and C. W. Dines. For the present the offices will be at No. 319 South Fifth Street. The local company intends to begin the manufacture of bicycles some time in December.

Changes and Improvements.

Bridgeport, Conn.—The Yost factory will probably start up on full time with a full force on September 7th. This factory has been closed since July 1st. Only the tool makers have been kept at work.

Buffalo, N. Y.—W. C Boak, manufacturer and wholesale dealer in bicycle supplies at No. 61 Terrace, announces an early change in business, and is closing out his entire stock at reduced prices.

Chester, Pa.—Thomas Swanger, the bicycle manufacturer and repairer, is putting in a one-horse power electric motor at his factory on Market Street. It will be used chiefly for the running of the lathes.

Chicago, Ill.—The Gormully & Jeffery Mfg. Co., with branches in most of the leading cities of the country, made an important announcement in the reduction of the price of Ramblers to $65. The Rambler was among the first high grade wheels to sell for less than $100, and the '97 price of $80 has marketed more Ramblers than the firm has made in any previous one of their eighteen years' history. The new price of $65 will unquestionably keep the full factory force busy for the remainder of the year.

Jacksonville, Fla.—The Florida Cycle Co., present quarters are being enlarged.

Knoxville, Tenn.—The Bayzarian Cycle Co. are now in their new quarters, No. 320 North Gay Street (Matlock's grocery store) immediately across the street from their former place.

Lawrence, Mass.—W. J. Driscoll has closed his Hardware and bicycle store in the Musgrove Block.

Middletown, Conn.—Williams & Ives, bicycle repairers and jobbers, have dissolved. The business will be continued at the old stand.

Montclair, N. J.—The Power Mfg. Co., of which W. H. Power, of Upper Montclair, is president, has purchased the old Woodbridge mill property along the Delaware, Lackawanna & Western Railroad, at Glen Ridge, and will erect a factory for the manufacture of bicycle chains.

Springfield, Mass.—The Harris Mfg. Co., of New York, manufacturers of engines, Stanley bicycles, and also a horseless carriage, contemplate the removal of their business to this city. Representatives of the company have been in town negotiating for the lease of the Ames plant. The present quarters of the company are too small. If they can arrange suitable terms they will move to this city, and employ at least 100 men.

S Norwalk, Conn.—Bearse & Hoyt, succeeded by George F. Bearse.

St. Paul, Minn.—The St. Paul Cycle Co. are advertising to discontinue business.

Syracuse, N. Y.—The factory property in which the plant of the Olive Wheel Co. is located, was sold to Helen M. Gridley for $5000, subject to a first mortgage of $6000 and all unpaid taxes. The sale was made by deputy sheriff Whittle under foreclosure proceedings begun by Daniel W. Gridley against Frederic Dodge and others. The purchasing bid was the only one made.

Syracuse, N Y.—Weston, Mott & Co. have moved their bicycle shop to Utica

Recent Embarrassments.

Beaver Falls, Pa.—The Morado Bicycle Works, the bond of R. L. Sterling, who was appointed receiver for this company, approved.

Bridgeport, Conn.—The Premier Cycle Mfg. Co., Enoch P. Hinks appointed receiver in place of John C. Cassidy.

Chicago, Ill.—The Chicago Combination Machine Co., bicycles, reported to have made an assignment.

Fort Plain, N. Y.—M. J. Fisher, bicycle factory, near Little Falls, has been closed by creditors.

Fort Wayne, Ind.—The Randall Cycle Co. is in hands of Receiver E. C Miller, as trustee for the creditors to the amount of $11,000.

Grand Rapids, Mich.—The Hamilton Kenwood Cycle Co., T. J. O'Brien has been appointed receiver. The cycle company recently secured its creditors, by giving a trust mortgage to J. Frederick Baars, cashier of the National City Bank. That was followed by litigation between the stockholders and managers, and the outcome is the appointment of a receiver.

Ithaca, N. Y.—George E. Tailby, bicycles, reported to have made an assignment.

Milwaukee, Wis.—Janeau Cycle Mfg.Co., bicycles, reported assigned.

Montreal, Can.—Alexander & Lefebvre, bicycles, assigned to Kent & Tureotte, with liabilities of $800.

New Haven, Conn.—The Dole Bros'. Co., sporting goods, reported to have made an assignment.

New York, N. Y.—Hulbert Bros. & Co., dealers in bicycles, firearms and sporting goods, No. 26 West Twenty-third Street, Frederick P. Forster, temporary receiver, appointed permanent receiver. The company went into the hands of a receiver September 18th, with liabilities of $494.000. Nominal assets, $344,622; actual assets, $125 000.

Norfolk, Va.—Bonnot & Vanderberg, bicycles, reported to have made an assignment.

Philadelphia, Pa.—The F. M. Dampman Cycle Co. has made an assignment for the benefit of creditors, to Richard D. Michuals.

Portland, Me.—Forest City Cycle Emporium, left town, attached.

Portland, Ind.—Haynes Wheel Co., Stephen A. D. Whipple appointed receiver to take the place of Charles B. Feioleman, of Indianapolis. The new receiver will sell the plant instead of operating it.

Scranton, Pa.—Chase & Farrar, bicycle dealers, have made an assignment to J. W. Browning for the benefit of creditors.

Springfield, Mass.—Hendye & Nelson, bicycle factory, and E. A. Nelson, bicycle store, attachment for $10,000 placed on them. It is not settled whether either concern will go into insolvency, and whether this is done will depend to some extent upon the result of the inventories now in progress.

St. Louis, Mo.—The Hitchings Cycle Co. has made an assignment. The business was started in July, 1895, on a small scale.

St. Louis, Mo.—Western Bicycle Co., reported to have been attached.

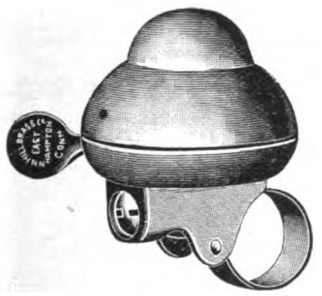
Toledo, Ohio.—The Toledo Brazed Fork & Tube Co., reported to have appointed a receiver.

West Gardner, Mass.—J. B. Barnes, bicycles, attached.

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STERLING BELLS.



One Best THE Sterling.

Bells of all Description.
Send for Catalogue.

N. N. HILL BRASS CO.,
East Hampton, Conn.

STITCHED COTTON BELTING

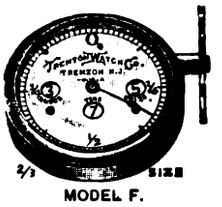
FOR MACHINE DRIVING.



FOR THRESHER MACHINES.

Write for price list and discounts.

THE ROSSENDALE-REDDAWAY BELTING & HOSE CO., - NEWARK, N. J., U. S. A.
Manufacturers of all kinds of Belting and Linen Fire Hose.



MODEL F.

RETAIL DEALERS

Should ask their jobbers for revised prices on Model F—1,000 mile "Midget" Cyclometers. Registers 1,000 miles and repeats. *Price $1.00.* You can make money on them as they out-sell larger models.

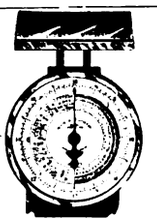
TRENTON WATCH CO.,
Trenton, N. J., U. S. A.

SHOOT BLUE ROCKS.

For Sale by all Jobbers.

Foreign Trade Supplied Direct or Through Exporters.

The Cleveland Target Co.,
Cleveland, Ohio



"MAIL & EXPRESS" SCALE $5.00

PELOUZE SCALE & MFG. CO.,
Manufacturers Postal, Counter, Family and Confectionery Scales.

EACH YEAR RECEIVED BETTER RESULTS.

Standard Tool Co., Cleveland, Ohio. [Tools]: During the five years we have had an advertisement in HARDWARE we have each year received better results.

ESTABLISHED 1845
DUNBAR BROTHERS
STEEL (OIL TEMPERED) SPRINGS
ALL KINDS OF SMALL SPRINGS MADE FROM
SHEET STEEL STEEL WIRE BRASS WIRE
BRISTOL, CONN. P.O. BOX 416



FACTORY, NEWARK, N. J. SALESROOM, 92 FULTON ST., NEW YORK.

Benfield & Milne Mfg. Co.,
MAKERS OF
White Enamel Letters and Figures,

For Attaching to Glass, Stone, Metal, Wood, Etc.

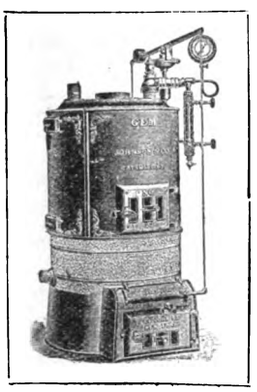
LETTERING ON WINDOWS. ENAMEL SHOWS PLAIN AT NIGHT. NO POLISHING.

Iron Enameled Signs, White Ground, Black and Gold Letters—for Doctors—Lawyers—Hotels Etc., Etc.
Iron Enameled Signs, Blue Ground, White Letters—for Advertising—Street Naming Buildings Wagons.

WE GUARANTEE OUR IRON ENAMELED PLATES TO STAND WATER, WEATHER AND WEAR FOR YEARS.

GOLD, NICKEL, BRASS AND BRISTOL BOARD LETTERS AND FIGURES





GEM and ECONOMIST HEATERS.

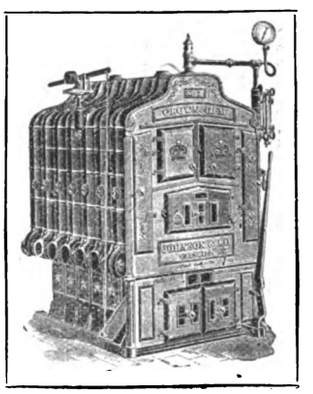
FOR HOT WATER and STEAM HEATING.

GEM, ROYAL GEM and CROWN GEM, PORTABLE, ECONOMIST BRICKSET.

Embodying the latest improvements connected with the heating of houses. Special attention is given to improving the heating of houses of modern construction. Trade correspondence solicited. Write for Catalogue.

. . . . MANUFACTURED BY

JOHNSON & CO.,
CATSKILL, N. Y, and 84 John St., New York.



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BUY GENUINE PHILLIPS' SNOW SHOVELS!

...THE

A. J. PHILLIPS CO.,

FENTON,

MICH.

Extract from the Annual Report of W. B. Phillips, President and Manager of The A. J. Phillips Co., Fenton, Michigan.

"The sale of Flyer Window Screens, notwithstanding the new competition, is on the increase.

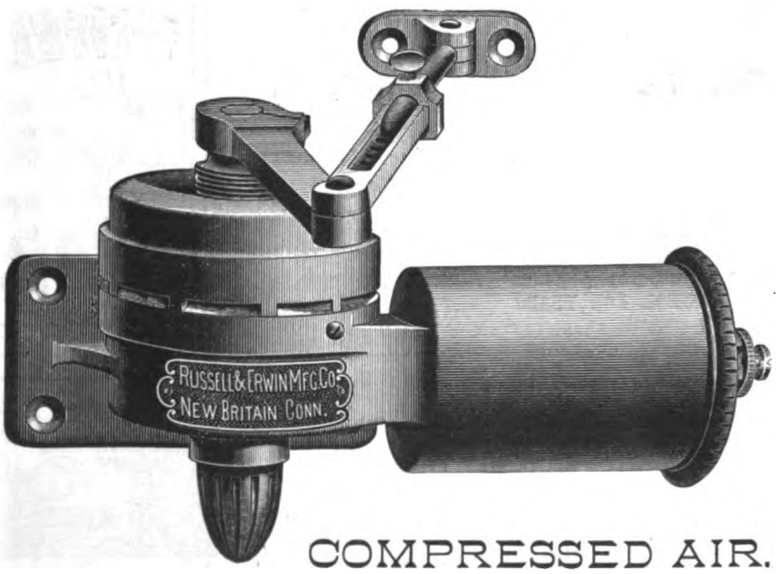
"The experience of Buyers seems to have proven our article more salable than other screens made to imitate.

"It is fortunate we have our construction patented."

TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.

GUARANTEED TO DO ITS WORK PERFECTLY

COLUMBIA PNEUMATIC DOOR CHECK AND SPRING



Simple in Construction.
Readily Applied.
Easily Regulated.
Powerful in Action.
Neat in Appearance.

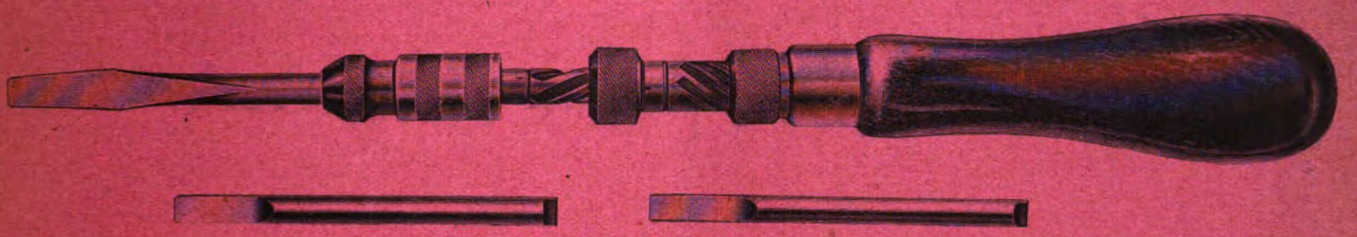
COMPRESSED AIR. NO LEAKAGE.

Russell & Erwin Manufacturing Co.,

NEW BRITAIN, CONN. NEW YORK. PHILADELPHIA. CHICAGO. BALTIMORE. LONDON.

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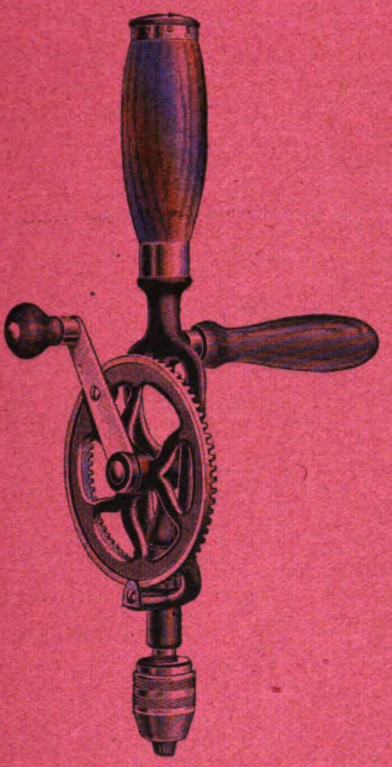
GOODELL TOOLS.



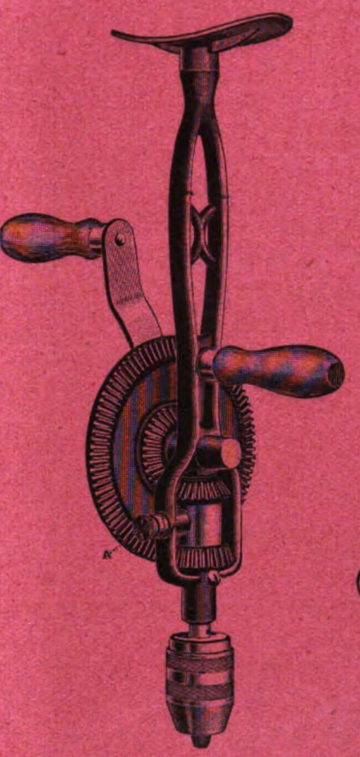
Reversible Automatic Screw Driver No. 22.



Hand Drill No. 4.



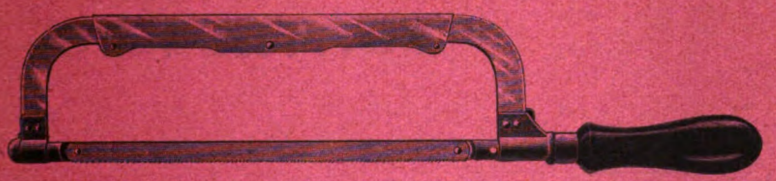
Hand Drill No. 5.



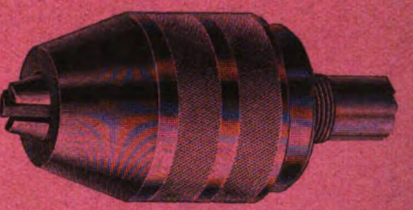
Breast Drill No. 6.



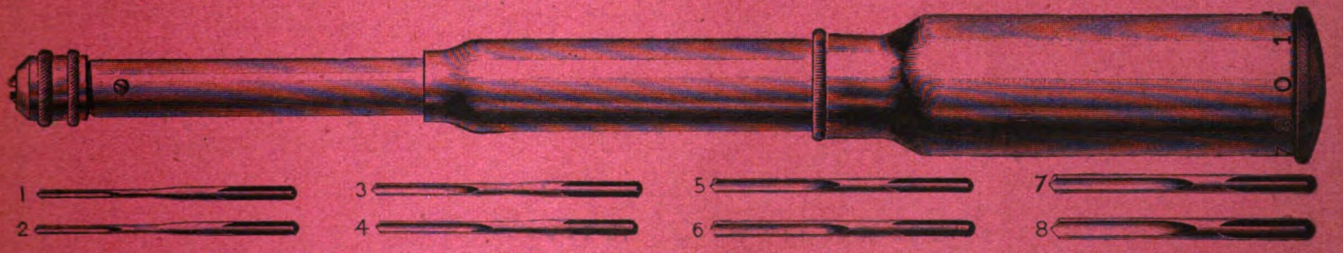
Crown Nail Pullers.



Hack Saw Frames and Blades.



Drill Chuck No. 16.



Automatic Drill No. 3

This shows only a few of our various styles and kinds. Send for complete Catalogue.

STANDARDS OF EXCELLENCE.

GOODELL BROTHERS COMPANY, GREENFIELD, MASS., U. S. A.

P. O. BOX 532.

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"Just hear dem Bells.
Dey's ringing everywhere."





THE NEW DEPARTURE

AUTOMATIC BICYCLE CONTROLLER

Is now ready for application to the Leading makes of Wheels.

SEND FOR PARTICULARS.

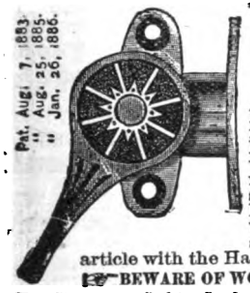
Simple, Sure, Safe, Durable, Inexpensive.

ABSOLUTELY AUTOMATIC.

THE NEW DEPARTURE BELL CO.,

BRISTOL, CONN.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

In Our Line of



Elevators & Hoists

We have a Hand Elevator especially adapted for use in stores, warehouses, etc., and we are sole manufacturers of

The Philadelphia Dumbwaiter.

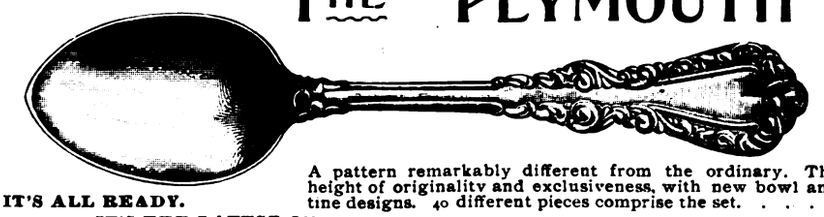
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411 Cherry Street,
PHILADELPHIA, PA.



THE "PLYMOUTH"



A pattern remarkably different from the ordinary. The height of originality and exclusiveness, with new bowl and tine designs. 40 different pieces comprise the set. . . . .

IT'S ALL READY.
IT'S THE LATEST OUT.
IT'S MADE ONLY IN THE

ROGERS' "ANCHOR" BRAND SILVER PLATED WARE

Factories:
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AND BY THE

WM. ROGERS MFG. CO.,

Office and Salesrooms: HARTFORD, CONN.

HOLMES & EDWARDS



Would like your business.





Their goods sell QUICK.

..THEY LAST FOR YEARS..

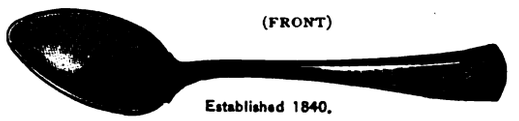
YOU Can Guarantee Them.

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

Highest Grade of Silver Plated Ware In Spoons, Forks, Etc.

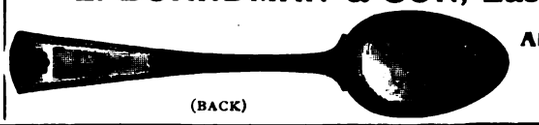
Manufactured by

L. BOARDMAN & SON, East Haddam, Conn.



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Established 1840.

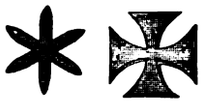


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Also Nickel Silver Flat Table Ware and Britannia Spoons.

Write for Catalogue and Prices.

CORPORATE MARK,



JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any infringements of our Name and Corporate Mark will be promptly prosecuted.

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ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

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JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
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W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
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WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

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"Has Our Esteemed Favor."

Edward Darby & Sons, Philadelphia, Pa. [*Wire Goods*]: For the past few years we have been in HARDWARE, and we beg to remind you that it has our esteemed favor, and will recommend the same to anyone desirous of a good, useful, common-sense trade journal such as HARDWARE is.

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JOHNSTON'S LIQUID GLUE FOR ALL USES.
1 oz. bottles per gro. $5.00
2 oz. bottles per gro. $9.00
OVAL, BEVELED, TRILATERAL, HEXAGON.
JOHNSTON'S IMPERIAL CARPENTERS' PENCILS.
—HIGH GRADE.—
Price per gro. $5.00.
J. D. JOHNSTON, Newport, R. I.


WOOD or METAL Workers
without steam power can save *time* and *money* by using our Foot and Hand Power Machinery
Send for Catalogues—
A—Wood-working Machinery.
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SENECA FALLS MFG. COMPANY,
334 Water St., Seneca Falls, N.Y.

If you would use only the best use
Barnes National Writing Ink and Mucilage.
BARNES NATL. INK CO.,
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PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
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Seed's Reversible Self-Cleaning ... WATER FILTERS
BRASS, NICKEL PLATED.
No. A1 Per dozen, $4 00 No. 3 Per dozen, $1.50
No. 2 " " 2 50 No. 4 " " 1 00
In 5 Gross lots, 10 per cent. off.
J. H. SEED, Manufacturer,
21 and 23 Centre Street, - - NEW YORK.

HOUSEFURNISHING HARDWARE & HARDWARE SPECIALTIES.

Basting Spoons, Cake Turners, Mincing Knives, Ice Tools, Tack and Nail Hammers, Hatchets, &c. Champion Cross Cut Saw Handles, &c.
KNAPP & PRATT MFG. CO.,
GENEVA, OHIO.

What Every Family Needs.
Pure Washed Filteration Quartz, free from all mineral impurities. Can be used in any filter or through cloth. . . Sold only by
The New England Filteration Co.,
564 Washington Street, Boston.

—ESTABLISHED IN 1874.—
ROCKFORD TACK COMPANY, ROCKFORD, ILL.
MANUFACTURERS OF
HIGH GRADE "Hardware" List of Tacks, Nails, Brads &c.
Also a full line of Shoe Finder's Tacks and Nails.
—Orders Solicited.—
Prices and terms quoted promptly on application

. . . HEARTILY RECOMMEND "HARDWARE."
E. T. Barnum, Detroit, Mich. [*Wire Goods*]: We heartily recommend HARDWARE to those desirous of reaching the largest number of dealers.

BEEN WITH YOU FROM THE BEGINNING.
Union Metallic Cartridge Co., New York. [Ammunition]: We have been with HARDWARE as advertisers from the beginning and expect to continue.

One of the Best Mediums Known.
C. T. Williamson Wire Novelty Co., Newark, N. J. [*Corkscrews*]: To present new goods to the trade we consider HARDWARE one of the best mediums known.

ON OUR AD. LIST AS ONE OF THE BEST.
Troy Nickel Works, Troy, N. Y. [Alaska Stove Hardware]: HARDWARE is on our advertising list as one of the best. We will be glad to keep you in this position.

Hardwaremen's Exchange.

Notices of ***HELP WANTED*** *or* ***SITUATIONS WANTED*** *will be inserted in this column free of charge. Should not exceed Four Lines.*

ALL OTHER NOTICES, *twenty-five cents per line.*

Help Wanted.

THE Patterson-Sargent Company, Cleveland, manufacturers of the B. P. S. Paints and Varnishes, want a few salesmen. Previous experience not essential Must be men of good character and ability.

BOY wanted, about 15 years old; must have had experience in a retail Hardware store, be quick and bright; address by letter only, stating age, references, and salary to start. Address HARDWARE STORE, No. 2195½ Third Avenue, New York City.

WANTED—First-class traveling salesman to canvass manufacturers for the sale of Hardware, factory and mill supplies. Good salary will be paid to the right man. Address MANUFACTURER, care HARDWARE Publishing Co., No. 143 Chambers Street, New York.

WANTED resident agents in all cities not already covered, to sell our National Feed Boxes. This article is a startling success and has no competition. Active canvassers can make good profits. Address NATIONAL FEED BOX CO, No. 137 McGraw Building, Detroit, Mich.

A FACTORY superintendent wanted—A thorough mechanic with $3000 to $5000, must be a good Tool and Die maker who is able to take full charge of a Specialty Hardware and Stamping Factory; to such a man a good opportunity is offered. State experience and references. None need apply knowing they cannot fill requirements. Address HENRY BERG, No. 375 Kennard Street, Cleveland, Ohio.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

$300 to invest with a position as manager or buyer. Age 27. Seven years experience with one of the oldest and best known wholesale Hardware firms on Chambers Street, New York. Make an offer if you are open for push and stick-to-business methods. Address 412, care HARDWARE, No. 143 Chambers Street, New York.

AN experienced traveling salesman covering Pennsylvania, Ohio and Indiana, in Hardware specilties, references gilt edge. G. M. STONE, North East, Pa.

POSITION wanted by thoroughly experienced man as Hardware sales man on the road. Large acquaintance in the trade. E. A. S., care HARDWARE, No 143 Chambers Street, New York.

POSITION wanted by a man 33 years of age, seven years' experience with Hibbard Spencer Bartten, & Co., Chicago. in general office work. understands bookkeeping thoroughly and good at figuring of any kind; Salary moderate, reference the best. A. E., care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted by thoroughly experienced man either as clerk or salesman; first-class references. Address G. B W., No. 28 South Fifth Avenue, Mount Vernon, N. Y.

ADVERTISING manager and writer of ability and experience, position as advertising manager of general or special line. Mail orders a specialty. Is willing to do other work in conjunction, if desired. Address WIMBROUGH, No. 638 Bourse Building, Philadelphia, Pa.

YOUNG man 30 years of age wants position in store or road Nine years experience in Hardware, stoves and hot air furnaces. Can figure estimates from plans and specifications. Good bookkeeper. Fine penman. A No. 1 reference as to honesty, sobriety, etc. Address LOCK BOX 34, Jeannette, Pa.

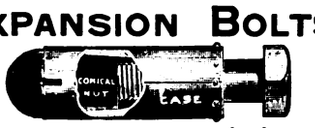
POSITION wanted by a practical man, who has held positions as tool maker, foreman and assistant superintendent. Up on modern methods and able to get out work at lowest cost. Address FREMONT, care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL Hardwareman, 39 years, of long experience both wholesale and retail, able to act as salesman, stockkeeper, bookkeeper or manager, speaking and corresponding in English or German, desires a permanent position. Best references. Address CHARLES KREINBERG, No. 108 East Houston Street, New York.

BY a practical mechanic, experienced in manufacturing patented and builders' Hardware and specialties, well up in modern shop methods. Competent to get out work cheap, etc. An expert workman at bench. and a hustler. Address EXPERT, No 3029 Poplar Avenue, Chicago, Ill.

THOROUGHLY experienced bookkeeper and office correspondent desires situation as accountant or cashier in a Hardware house. Highest references. Bond furnished if desired. Address COMPETENT, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted by a salesman well known among the Hardware, Housefurnishing goods and Department store trades; fifteen years' experience in New York and New England; best of references. Address H. N. P., care HARDWARE, No. 143 Chambers Street, New York City.

EXPANSION BOLTS


For fastening all kinds of structure to brick and stone work
Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue B. Toledo, Ohio.

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Situations Wanted.

WANTED to travel in New England for A1 House Specialties preferred Best of references. Address H. H. BOX 1464, Boston.

EXPERIENCED Hardware salesman with large acquaintance in the South, desires position as traveling salesman to represent Hardware manufacturer or commission house. Is a native of the South and has about twenty years' experience on the road. Would be willing to take other territory than the South. Unexceptionable reference given. Address "HARD WORKER," care HARDWARE, No. 143 Chambers Street, New York.

POSITION by young man of ten years' experience in Hardware business. Have had experience both on road and in store J. E., care HARDWARE, No. 143 Chambers Street, New York.

BICYCLE repairer and builder wants position with Hardware store handling wheels to make repairs and build to order new wheels during the season; other odd jobs in winter. GEO. GOULD, No. 114 Freeport Street, Dorchester, Mass.

AMERICAN, 30 years old, would like to hear at once from manufacturer desiring Boston manager or representative. Advertiser is competent to buy or sell goods, is a practical bookkeeper and correspondent and understands advertising. Seven years' business experience and as traveling salesman. Reference as to character, ability and temperate habits. Address H. G. C., P. O. Box 2981, Boston, Mass.

WANTED—Young man, business correspondent and office manager of fifteen years' practice would accept position with manufacturing company or jobbing house. Or would manage branch office or travel in the far West and Pacific Coast. Address BUSINESS, Drawer No 79 Milledgeville, Penn.

POSITION as salesman, indoor or road; Philadelphia, or New York and vicinity preferred; 20 years' experience Hardware and cutlery, eight on road; thoroughly posted. Address DAVID HUGHES, No. 1121 G Street, N E., Washington, D. C.

A STOVE and furnace pattern maker wishes a position as foreman with a stove or furnace company, in their pattern shop I am a thorough practical man, being foreman six years in a leading stove manufacturing and pattern company. Can do my own drafting, modeling, carving and designing. Am a fast, clean and artistic worker, having made some of the best stoves in the country. Can furnish best of reference as to ability, character, etc. Wages moderate for a steady position. Address A. D. SMITH, General Delivery, St. Louis, Mo.

BY a thorough Hardwareman, aged 32 years, 18 years' experience; situation as either in or outdoor salesman; can furnish best of references. Address G. B. W., No 28 South Fifth Avenue, Mount Vernon, N. Y.

RAZOR manufacturing foreman desires to change location; 21 years' experience. Any good cutlery concern wishing to make their own razors, might increase their profits by addressing RAZOR MAKER, care HARDWARE, No. 143 Chambers Street, New York.

A TRAVELING salesman with seven years experience in builders and general Hardware; can furnish A1 references as regards ability and integrity. Address A. P. H., care HARDWARE, No. 143 Chambers Street, New York.

A MIDDLE-AGED man of an extensive acquaintance in Eastern North Carolina wishes a position as a traveling salesman of Hardware; can command a good trade. Address L. R. LAND, Norfolk, Va.

WANTED—Thoroughly experienced bookkeeper, correspondent or office man desires position with responsible wholesale or retail firm. Address J. G. R., box No. 533, Lake Mills, Ia.

By a man who has had sixteen years' experience in the Hardware line. Knows entire business and acquainted with city trade and trade within a radius of 100 miles of New York City. Address, TROWEL, care HARDWARE, No. 143 Chambers Street, New York.

Position wanted by a young man 27 years of age, eight years' experience in wholesale Hardware business, Bicycle and Export business, as Stenographer and correspondent. Understands office work thoroughly; also book-keeping. Export business preferred. Address, K., care HARDWARE, No. 143 Chambers Street, New York.

DESIRED by a practical Hardwareman a permanent position with some live house. Understands thoroughly builders' Hardware and mechanics tools. Salary moderate; reference of the best. Address PRACTICAL, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

A TRAVELING salesman wishes a good side line for Illinois, Missouri, Iowa, Kentucky, Indiana and Ohio. Address I. N. D. care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

A WELL-KNOWN firm, representing several factories as New York office, wishes to add at least three good lines either on commission or salary. Address MANUFACTURERS' AGENT, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WE offer good side lines to those calling on Hardware, harness, carriage manufacturers and department stores, both wholesale and retail. Address FERNALD MFG. CO , North East, Pa.

Tools Wanted.

COMPLETE set of new or second-hand Tinners' Tools wanted, Stowe's make preferred; must be cheap. Address J. S. RIDENOUR, Jackson, Ohio.

A Business Wanted.

$200 to invest with Lathe and Tools for mechanical repair work in small Hardware store. Will buy business on easy terms. Age 26. Eight years in wholesale and retail Hardware in New York City. Address 502, care HARDWARE, No. 143 Chambers Street, New York.

For Sale.

FOR SALE. In the Sunny South, Virginia, a General Merchandise Business including all the lines usually kept in a country store. Stock about $6,000, could be reduced to $5,000. Store property $5.000, turn over per annum about $20 000 00. doing a profitable business. This is a good chance for anyone wishing a good going business. Come and investigate. Every facility will be given by owner. Access given to every book. Owner will be in New York on 15th of September and can be seen at Grand Union Hotel, opposite Grand Central Station, from 7 a m. to 4 p.m. on that day, or particulars will be sent by mail. T. A. STEWART, Claremont. Va. P. O. BOX 78.

AN old reliable Hardware business in one of the most prosperous county seats in Ohio. Nice clean stock. This is a first-class opportunity for one or two persons to step into an established and profitable business. Address immediately, MEEKER BROS., No. 85 North High Street, Columbus, Ohio.

ESTABLISHED Hardware business. Particulars to parties interested. Address PARTICULARS, care HARDWARE, No. 143 Chambers Street, New York.

$600, On terms to suit, will buy a Hardware store established twelve years. Investigate this bargain, has good jobbing trade. WOEHRLE, No. 2115 Third Avenue, New York City.

HALF interest in established paying Hardware business—land or money. Particulars to parties interested. Address BUSINESS care HARDWARE, No. 143 Chambers Street New York.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Agency Wanted.

ENERGETIC, capable business man, 12 years experience, would like to represent Cut and Wire Nail Manufacturers in New York and vicinity. Can guarantee good results to first-class mill. Address "CAPABLE" care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a young man with thirteen years experience, to represent some Horse Shoe or Horse-Shoe Nail Manufacturer or Manufacturers' Agent; can furnish best of reference. Address EXPERIENCE, care HARDWARE, No. 143 Chambers Street, New York.

WANTED Agencies for Iron Steel Horse Shoes, Horse Nails and Blacksmith Sundries and Hardware Specialties; best of references. Address HARDWARE, care Carrier 24, Grand Rapids, Mich

Hardware Stock Wanted.

WANTED to exchange, real estate in Indianapolis, Ind. for stock of Hardware. Box 44, Washington C. H. Ohio.

Partner Wanted.

SPECIAL partner wanted with $10 000 to open a cash Hardware and cutlery house in this city. Business largely job lots and manufacturers bargains. General partner has many years' thorough experience, and controls $100 000 of business. Only bona fide correspondence from principals accompanied by real name, will be acknowledged. Address G. O. P. care HARDWARE, No. 143 Chambers Street, New York.

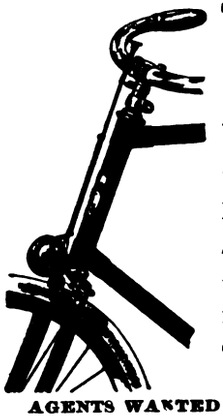
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WRITE FOR QUOTATIONS



GET OUR PRICES BEFORE ORDERING.

Mention "Hardware."



"The SUCCESS OF THE PHILADELPHIA SHOW" . . . WAS THE OSTERMAN BICYCLE BELL.

Rings loud and clear like an electric bell.
The faster the speed the sharper the alarm.
Rings on the slightest pressure of the button.
Needs no care.
Never wears out.
Quickly adjusted to any wheel.
Strong, Simple.

AGENTS WANTED IN EVERY TOWN.
MADE ONLY BY
JOSEPH OSTERMAN & CO.,
4411 Main St., MANAYUNK, PA.



COVERT MFG. CO.,
WEST TROY, N. Y.
Derby Snap,
With Plated, Rust Proof and Guarded Spring. . . .
"The latest and best."
For sale by Jobbers at Manfrs. prices.

Improved Quick and Easy Rising Steam, Electric and Hand Power
ELEVATORS
Send for Circulars.
Kimball Bros. Council Bluffs, Ia.
No. 1013 Ninth Street.



The Latest and Best Hanger on the Market.
Write for Prices.
STOWELL MFG. & FDRY. CO.,
SUCCESSORS TO
Moore Mfg. & Fdry. Co.,
South Milwaukee, Wis.

BIG PAY! TAKE AN AGENCY FOR THE Royal Polished Steel Roaster and Baking Pan. BEST MADE!

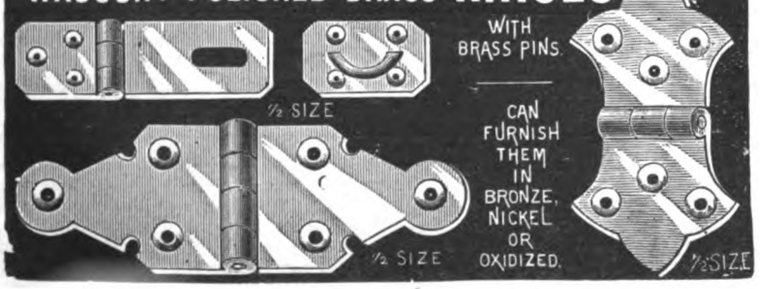


Self-Basting. Saves 20 per cent. that passes off in steam when roasted in an ordinary pan. *Made of polished steel,* in 7 sizes, including *inside pans* and *grate bars* in all sizes. *Bakes finest bread.* For terms, address
THE ROYAL POLISHED STEEL ROASTER CO., Troy, O., U. S. A.

BEST INVESTMENT EVER MADE.

Divine Bros., Utica, N. Y. [Buffing Wheels]: Our advertisement in HARDWARE was the best investment we ever made in the advertising line.

R. CHRISTENSEN, CABINET AND GENERAL HARDWARE.
88 CHAMBERS ST., NEW YORK.
MANUFACTURER OF
WROUGHT POLISHED BRASS HINGES
WITH BRASS PINS.



CAN FURNISH THEM IN BRONZE, NICKEL OR OXIDIZED.

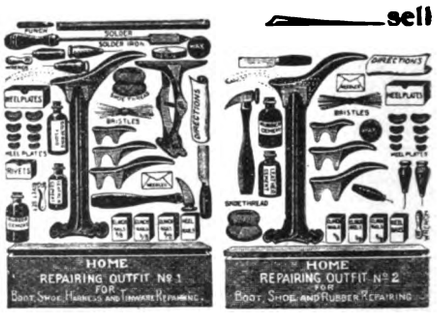


"Advance" line Blacksmith's DRILLS.

Hand or Power
Fast or Slow Speed
Self Feed
ALSO . . .
Silver's OLD LINE Hand Drills.
Silver's Power Post Drill
Cut Gears, Lever Feed, 19 inch Swing.

Silver's Power Base Drill,
Cut Gears, Combined Lever and Wheel Feed, Round or Square Base, 20 inch Swing. . .
The last two drills are supplied with counter-shafts, and are suited for new work or repairs.
THE SILVER MFG. CO.,
SALEM, OHIO.

RIGHT NOW when everybody is economizing is the time to sell



ROOT'S HOME REPAIRING OUTFITS!
Greatest Money-makers and Money-savers ever seen! They sell like hot cakes! Write for prices to-day to
THE ROOT BROTHERS CO., Plymouth, O.
Originators and Sole Manufacturers.

Headquarters FOR ELECTRIC and PORTABLE Watchman's Clocks.
Lowest Prices. Latest Improvements.
PATENTS 1888-1896.
Write for Price List and Card showing difference between N. Y. time and local time in all parts of the world



THE "ALERT."
This is a One (1) Station Watchman's Clock. Price, with 100 paper disks, complete. . .
E. O. HAUSBURG, 41 Maiden Lane, New York

CANFIELD'S MOULDED RUBBER GOODS
RUBBER HEADED NAILS
GLASS GAUGE
GASKETS, RINGS, BUMPERS
BOILER GASKETS

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PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—

House Carpenters..... } 40&12½%
Ship Carpenters..... }
Railroad. .....

Ammunition—

CAPS, PERCUSSION—₩ 1000—

M. C. Co. and Hicks, trimmed edge.....47 @ 50c
U. M. C. Co. and Hicks ground edge.....47 @ 50c
Musket, Waterproof, 1-10's..45 @ 50c
G. D.....28 @ 30c

CARTRIDGES—

Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$2.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.10@1.15
B.B. Caps, Con. Ball, Swgd $1.75@1.80

PRIMERS—

Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—

First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.. .....65&2%

SHELLS, LOADED—

With Black Powder...40&10&10&5%
With Nitro Powd'r.40&10&10&10&5%

GUN WADS—₩ 1000—

B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8....80c..B.E., 7.....90c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&2%

SHOT—

Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.25
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.50
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.50
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$2.00
Dust Shot, 5-lb bags, ₩ bag ....$ .50
Jobbers frequently deduct 5@10 cents ₩ bag.

POWDER—

Laflin & Rand:
Orange Rifle ex., kegs 25 lb $4.00
12½ lb 2.25
6¼ lb 1.25
Orange, Special, kegs 25 lb 5.00
12½ lb 2.75
6¼ lb 1.50
Orange Ducking, kegs ..6¼ lb 2.25
(For 1000 lb lots 10% discount.)
Blasting and Mining, A..25 lb 2.25
Blasting and Mining, B. 25 lb 1.50
Laflin & Rand W.-A. Smokeless:
Sing e Canisters.....$1.00
10 Can Drums.....$9.00
Discounts on application.

CANISTER POWDER—

E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12

KEG POWDER—

Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 4.00
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.25
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 4.00
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 2.25
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.25
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 5.00
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.75
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.50
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.25
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50
Du Pont Sporting Powder, for lots 1000 lb 10% discount:
Du Pont Smokeless Powder:
Kegs, equal in bulk, to 25 lb Black Powder.....$22.00
Half Kegs, equal in bulk to 12½ lb Black Powder..... 11.25
Quarter Kegs, equal in bulk to 6¼ lb Black Powder..... 5.75
Canisters, equal in bulk to 1 lb Black Powder..... 1.00
Discounts on application.

HARD GRAIN SMOKELESS—

Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

TARGETS AND TRAPS, INANIMATE—

Cleveland Target Co.:
Blue Rocks ₩ 1000.....$5.50
Expert Traps, each.....$5.50
Extension Traps, each.....$4.00

Animal Pokes—

R. W. Montross, Galien, Mich.:
Camp's Success.....₩ doz. $3.50
Galien Safety.....₩ doz. $3.75
Hartman's Pivot.....₩ doz. $4.75
Iowa Farming Tool Co.:
Hawkeye.....₩ doz. $3.25
Western.....₩ doz. $3.75

Anvils—

American "Horse-Shoe"...9¼@9¾c
Armitage's Mouse Hole.....8¾@9¼c
Eagle Anvils, ₩ lb 9c.....15@15&5%
Hay-Budden, Wrought.... 8¾@8¾c
Peter Wright's.....9¾@10¼c
Samson..... 8¼@9c
Trenton.....8¾@9c

ANVIL AND VISE COMBINED—

Cheney Anvil and Vise.....40%
Holt's.....40@40&10%
Millers Falls (with drill) $18.00..20%

Augers and Bits—

Boring Machine .....70&10@75%
Cincinnati Tool Co.:
Bell hangers' bit.....40%
Brace twist drills for metals. 50&5@50&10%
Brace twist drills for wood, 40&5@40&10%
Screw and plug.....25&10&10%
Cleveland Wood Bits for Brace, Style A, No. 114.....50&5%
Common.....70&10@75%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Forstner Pat. Bits.....25%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
Nobles Double Spur, No. 32.70&10%
No. 10 Extension Lip.....40%
No. M Extension Lip pattern car bit.....40%
Pat. Car Bits, No. 10.....40%
Pat. Car Bits No. 30.....60%
Ring Augers.....70&10%
Pugh's Black.....30%
Snell's Bits.....60&10&10@70%
Russell Jennings' Augers and Bits. 25&10&2½%

HOLLOW AUGERS—

Bonney's Adjustable, No. 4, $14.00, 20%
Cincinnati Adjustable.....25&10%
Cincinnati Standard.....35&10%
Douglass'.....33⅓@33⅓&10%
Ives.....33⅓@33⅓&10%
Millers Falls, Goodell....15&7½&10%
Universal, each $4.50.....20%

EXPANSIVE BITS—

C. E. Jennings & Co.....33⅓%
Cincinnati.....25&10&10%
Clark's small, $18.00.....45%
Clarks' Large, $36.00.....45%
Ives' Model, ₩ doz. $60....50@50&10%
Steer's No. 1, $26; 2, $18.....40%
Stearns' No. 2. $45.....20%
Swan's.....40@40&10%

GIMLET BITS—

Diamond ₩ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@50&10%
Double Cut, Common, ₩ gro. $2.75@$3.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ladds'.....70%
C. E. Jenning & Co.:
Double Cut.....70%
German.....50%

BIT STOCK DRILLS—

Cincinnati Tool Co., for wood.40@40&10%
Cleveland Wood Bits for Brace 50&5%
Syracuse, for wood.....40%

TWIST DRILLS—

Cleveland.....60&5@60&10%
Morse Twist Drills.....60&5@60&10%
New Process.....60&5@60&10%
Standard .....60&5@60&10%
Syracuse.....60&5@60&10%

SHIP AUGERS AND BITS—

L'Hommedieu's.....15&10%
Snell's.....30&10@40%
Watrous'.....40%

Awls—

Dunlap's Brad.....25%
Dunlap's Handled.....25%
Handled Brad, ₩ gr.....$3 00@3.25
H'ld Scratch ₩ gr.....$3.75@$4.00
Pat. Peg ₩ gr.....33@35c
Sewing, Com.....₩ gro. 85c@$1.00
Should. Peg ₩ gr.....$1.35@$1.45
Shouldered Brad. ₩ gr...$1.50@$1.65
Socket Scratch ₩ doz....$1.00@$1.10
Stanley Rule & Level:
Handled Brad.....40&10%
Patent Pegging.....50&10%

Awl and Tool Seats—

Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60&10@60&10&5%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $13; 3, $12; 4, $9; 5, $7.....50%
Ice Awls.....55%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $13; 4, $12; 5, $18.. 15@15&10%
C. E. Jennings & Co.'s Adjustable Tool Handle, No. 10, $3.50; 45, $4.50; 65, $6.00; 75, $9.00; 175 $10.00 ₩ dozen net.

Axes—

First quality, best brands.$5.00@5.25
First quality, other " $4.50@4.75
Beveled add 50c ₩ doz.

AXES, HANDLED—

Peck's:
Champion Blade...per doz., $12.00
Empire.....per doz., $9.00
Firemans'.....per doz., $25.00

HATCHETS—

Collins.....10%
Findlay Axe & Tool Co...50@50&10%
Hunt's, Underhill's or Blood's... 50@50&10%
Peck's:
Champion Blade.....45%
Empire Brand.....50&10%
Fayette R. Plumb:
Broad, New List.....40&12½%
Lathing.....50%
Shingling.....50%
Warehouse.....40&12½%
Vulcan Tool Co.....60%

Balances—

Chat llon's:
No. 2000 20 30
₩ doz. 75c 85c $1.65 net
Circular Balances.....60%
Straight Balances.....50%
Circular Spring Balances.50&10@60%
Common 24 lb. .....₩ doz. 80c net.
Ice.....50&10%
Straight Spring balances.50&10@60%

Barrel Drainers—

National.....30%

Beef Shavers—

Enterprise:
Japanned, each, $6.50.....35%
Tinned, each, $7.50.....30%

Bells—

HAND—

Extra Heavy Brass.....65&10%
Light Brass.....70&10%
Globe (Cone's Patent).....40%
Silver Chime.....40%
White Metal.....65&10%

DOOR—

Crank, Cone's.....10%
Gong, Abbe's.....40@40&10%
Gong, Barton's.....40&10@50%
Gong, Yankee.....55&10%
Lever, R. & E. Mfg. Co.'s.60@60&10%
Multi-Stroke.....50%
New Departure.....45@50%

COW—

Common Wrought.....60&10%
Dodge, Genuine Kentucky 70@70&10%
Kentucky, Sargent's List.....75%
Texas Star.....50&10%
Western, Sargent's list.....75%

Bellows—

Blacksmith's.....70@70&10%
Hand.....50&5@50&10&5%
Moulders.....50&5@50&10&5%

Belting, Rubber—

Boston Belting Co.;
"Boston".....50&10&5%
"Imperial," seamless, stitched 40&10%
Cleveland Rubber Co.:
Buckeye.....60&10%
Shield High Grade.....50&10%
War. 2 XL.....40%
Common Standard.75&10@75&10&5%
Extra.....60&10&5@70%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Standard.....70&10@75%

Bench Stops—

Cincinnati.....25&10%
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&10%
Seymour Smith & Sons..₩ doz. $5, 10@10&10%
Terrell's No. 1 and 2, $3; No. 3, $3.00 ₩ doz.....30%
Millers Falls.....15&10%

Bit Holders—

Angular.....40&5%
Extension:
Barber's, ₩ doz. $15.00.....45%
Ives'₩ doz. $30.00.60&10@60&10&5%

Blind Adjusters—

Domestic..₩ doz. $2..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&5%
N rth's.....10%
Zimmerman's.....50&10@50&10&10%

Blind Fastenings and Tenons—

Austin & Eddy ₩ gro. sets.....$5.50
Gorhams Improved Star Tenon ₩ gro. $1.00.....35%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr....$9.00
Millers Falls ₩ set $1.00.....15&10%
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel 60&10@70%
Com. Jap'd Sheaves...70&5@70&10%
Lanes:
Junior, Self Sustaining.....30%
Pat. Automatic.....35%
Perfect Safety.....30%
Stowell Novelty Block,.....50&10%

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Regular Iron Strapped Blocks 70&5@70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c.....70%
Cast Iron Chain.....50&10%
Cast Iron Shutter Bolts.....70%
Ives' Patent Door Bolts...60&10&5@60&10&10%
Wrought Barrel.....75@75&10%
Wrought Square..70&10@70&10&10%
Wr't Shutter, Standard list.....70%
Wr't Shutter, Sargent's list.....70%
Wr't Sunk Flush, Sargent's list. 50&10@50&10&10%
Wr't Sunk Flush, Stanley's list 50&10@50&10&5%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&5%
Window Spring.....75%
Window Spring Bolt Socket.....70%

CARRIAGE, MACHINE, &C.—

Bolt Ends.....80@80&5%
Machine.....75&10@80%
Carriage, Common.....75&5@75&10%
Norway Iron, list Oct. '84..80&10@80&15%
Phila., Eagle, list $3.00.....85%
R. B. & W., $2.40 list.....70%

TIRE—

American Screw Co.:
Bay State, Plain list Feb. 26, '96. 75&10%
Bay State, Fluted.....80%
Eagle Phila., list Feb. 26, '96....85%
Norway, Phila., list Feb. 26, '96. 80%
Common, list Feb. 28, '88..75@75&10%
Eagle.....85%
R. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—

Plow.....60&10&10@70%
R. B. & W., Plow.....65%
Stove.....75&10%

MISCELLANEOUS—

Sink.....75&10%
Sleigh Shoe.....85%

Bone Mills—

Enterprise.....20%

Borers, Tap—

Common and Ring.....20&10@35%
Enterprise, No. 1, $1.50; 2, $2.00; 3, $3.00 each
Ive's.....33⅓&5%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'	$2.50	$3.00
Jennings'	2.50	3.00
Millers Falls		7.50 15&10%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	10....
Snell's, Rice's Pat.	2.50	$2.75

Bow Pins—

1¼ inch, ₩ gro.....$4.50@$5.00
inch, ₩ gro.....$5.00@$5.50

Boxes, Mail—

Heller's.....40&5%

Braces—

Barber's.....50&10@60&10%
Barber's Ratchet.....60@60&10%
Bartholomew's:
Nos. 25, 27 and 30.....70@75%
Nos. 117, 118, 119.....70&75%
Common Ball American..$1.10@$1.20
Ives':
Barbers'.....60&5%
Barber Ratchet.....60@60&10%
New Haven Novelty....70@70&10%
New Haven Ratchet.60&10@60&10&10%
Spofford.....60&5@60&10%
C. E. Jennings & Co.:
No. 108@114.....60&10%
No. 208@214.....60%
Peck's (P. S. & W. Co.)...60@60&10%
Gen. Spofford's.....50&10&5%

Brackets—

Door Screen.....70&10%
Moore's.....70&5%
Shelf, Bradley's Patent.....80%
Shelf, Plain, Regular list.....70&10%
Shelf, Fancy, Sargent's list.60&10@60&10&5%
Window Screen Corner.....70&10%
Reading, plain.....70%
Reading, Rosette.....70%

Bright Wire Goods—

Standard list.....85@85&10%

Bull Rings—

Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%
Sargent's.....80@80&10%
Seymour Smith & Sons.....60%

Butcher's Cleavers—

Beatty's.....40&5@40&10%
Bradley's.....35@35%
Dunlap's Family.....35%
Foster Bros. Flat Hds.....30%
Foster Bros. Round Hds.....40%
I. & I. J. White.....35%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%

Bung Hole Borers—

Enterprise.....25%
C. E. Jennings & Co.:
No. 6.....40%
No. 10.....30%

Butter and Cheese Triers—

Ordinary Black Handle.....25%

Butt and Rabbet Gauges—

Stanley's.....25&10%

Butts—

BRASS—

Cast Brass, Fast Joint....40@40&10%
Cast Brass, Ice House.....40%
Cast Brass, Loose Joint...40@40&10%
Wrought Brass, List Sept. '96.4 @40&10%

CAST IRON—

Loose Joint.....75@75&5%
Loose Joint, Japanned.....75@75&5%
Loose Joint, Jap. with Acorns, 75@75&5%
Loose Pin.....75@75&5%
Mayer's Hinges.....75@75&5%
Parliament Butts.....75@75&5%
Sargent's:
Fast Joint, Broad.....60&10%
Fast Joint, Narrow.....60@60&10%

WROUGHT STEEL—

List, April 1, 1896.
Bronsed Inside Blind Butts.50&10@50&10&5%
Bronsed, Narrow.....
Fast Joint, Narrow.....
Fast Joint, Light Narrrow.....
Fast Joint, Broad.....
Loose Joint.....
Loose Pin.....
Table Butts, Back Flaps, etc..
} 75%

Can Openers—

American.....₩ gross $1.75@$1.90
Champion, ₩ doz. $3.00.....50%
Columbian.....₩ gro. $14.40
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....35%
Dunlap's Sardine Scissors, ₩ doz. $3.00.....25%
Dunlap's Wood Handle No. 2 $1.75.35%
Goodell's Acme, ₩ gr. $8.00; ₩ doz. 75c
No. 5, Iron Handle, ₩ gr.....$2.00@$2.25
Sardine Scissors...₩ doz. $2.0 @$2.25
Sprague, No. 1, $2.00; No. 2, $2.25; No. 3, $2.50.....70%
Universal, ₩ doz. $3.00.....55&5%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%

Cards—

Cotton.....20@25%
Horse and Curry.....20@25%
Wool.....20@25%

Carpet Stretchers—

Bullard's.....33⅓%
Cast Iron Steel Points, ₩ doz. 75@$1.00
Cast Steel, Polished.....₩ doz. $2.25
Dunlap's.....25%
Excelsior.....25%
Socket.....₩ doz. $1.75

Carpet Sweepers—

Bissell's:
Gold Medal....
Grand.....
Grand Rapids.
Hall.....
Prize.....
Premier.....
Superior.....
} Cyclo Bearings
..₩ doz. $24.00
..₩ doz. $36.00
..₩ doz. $22.00
..₩ doz. $60.00
..₩ doz. $24.00
..₩ doz. $24.00
..₩ doz. $24.00
Crown Jewel, japan finish, ₩ doz $19.00
Crown Jewel, nickel, ₩ doz. $31.00
Furniture Protector, Japan.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $37.00
"Standard A," Jap...₩ doz. $20.00
"Standard A," Nick..₩ doz. $22.00
Housewife's Delight..₩ doz. $15.00
Parlor Queen, Jap....₩ doz. $24.00
Parlor Queen, Nickel, ₩ doz. $27.00
Standard.....₩ doz. $24.00
Lots of 5 dozen $1.00 per doz. less.

TOY LINE—

Baby.....₩ doz. $2.50
Child's.....₩ doz. $3.00
Little Jewel.....₩ doz. $7 00
Little Queen.....₩ doz. $4.00
Misses.....₩ doz. $9.00
Quantity rebates on application.

Casters—

Bed.....60&10&10@70%
Deep Socket.....60@ 0&10%
Giant Truck Casters.....25%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%
Martin's Patent (Phœnix). 60@60&5%
Plate.....60&10&10@70%
Socket Truck Casters..45&10@45&10&10%
Stationary Truck Casters.....50&10%
Store Truck.....55%
Swivel Truck.....60&10&10%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50&5%
Yale Gem.....70&10&5%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@70&10&10%
Peck, Stow & W. Co.....66⅔%
Sargent's.....70&10@70&10&10%

COW TIES—

American.....60&10%

Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%
Triumph.....33⅓%

Chain—

American Coil, Ass'n base prices.
3-16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾
$6.85 5.35 4.25 3.65 3.50 3.35 3.15 3.05
Covert Saddlery Works:
Breast Chain.....60&20%
Hitching Chain.....60&20%
Rein Chain.....60&20%
Covert Mfg. Co. Chains.....45%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Galvanized Pump Chain, with Buckets.....5@5½c
German Coil.....60&10@70%
German Halter Chain....60&10@70%
Jack Chain, Iron.....70@70&5%
Jack Chain, Brass.....70@70&5%
Oneida Halter Chain.....60@60&10%
Plumbers.....60%
Trace, Wagon and Fancy Chains, 60&10@60&10&10%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

Buck Bros.....80%
Charles Buck.....80%
Douglass.....75@75&10%
Hinsdale.....
Mix.....
Ohio Tool Co.....
P. S. & W.....
Sag Harbor Tool Co.....
Swan.....
Winsted Edge Tool Co.....
} 75&10&5%
C. E. Jennings & Co. No 70....25&10%
Jennings & Griffin Mfg. Co....75&5%
Merrill & Wilder.....60&10%

TANGED AND MISCELLANEOUS—

Box.....60&10%
Buck Bros.....80%
Butchers'.....$4.75@$5.00 to $
Cold Chisels, good quality, ₩ lb 14c@16c
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges.....40&10%
Spear & Jackson's.....$5 to $
Tanged Firmers'.....50@50&10%

Chucks—

Beach Pat....each $8.00.....30%
Cushman's:
Combination.....40%
Independent.....50%
Morse's Adjustable, each $7.00...25%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....40%
Skinner's Pat. Comb. Chuck.....40%
Union Mfg. Co.:
Combination.....40%
Independent.....40%
Universal.....40%
Victor, No 1, $6.50; No. 2, $12.50.25%

Clamps—

Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Adju table, Stearns'.....30@30&10%
Cabinet Makers, Sargent's...45&10%
Carpenters', Cincinnati.....25&10%
Carriage Makers', Sargent's..50&10@50&10&5%
Carriage Makers' P. S. & W. Co..40&10%
R. I. Tool Co.'s Wrought Iron....25%
Smith's:
Eccentric.....25%
Splicing.....25%
Splicing Tools.....25%
Warner's.....40&10@40&10&5%

Cleaners, Sidewalk—

Challenge Shank.....₩ doz. $3.25
Star Shank.....₩ doz. $3.50
Star Socket.....₩ doz. $3.75

Clips—

Norway Axle.....70@70&10%
Norway Spring Bar Clips.70@70&10%
Superior Axle Clips.....70&10@75%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....25%
National.....30
The Swift, Lane Bros.....33⅓&
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%

Compasses, Dividers, &c.—

Athol Calipers and Dividers.....40%
Bemis & Call Co.'s:
Compasses.....50&5%
Dividers.....65%
Compasses, Calipers, Dividers. 70@70&10%
Wm. Johnson's:
Extension Dividers.....40%
Inside, Outside and Double.....70%
Registering.....50%
Wing Calipers.....70%
Wing Dividers.....75%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
Beatty's.....33⅓%
L. & I. J. White.....20@20&5%
Sandusky Tool Co.....25&10@20&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....40%
Humason & Beckley Mfg Co. 40& 10@50%
Samson.....₩ doz $10.00
Williamson's.....40%

Corn Hooks—

Kretsinger Cut-Easy, ₩ doz. $5.00 net

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—

Adjustable.....20%
Countersink Bits.....40&10%
Shepardson's Diamond.....40@45%
Smith's.....25%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....₩ gro. $2.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—

Fitch's, List Nov. 20, '96.....25&10%
Perfect.....25&10%
Rubber, ₩ doz. $7.50.....20@20&10%
Southington Cutlery Co.'s List, Nov. '96.....25&10%

Cycle Hangers—

Lane's.....33⅓&5%

Diggers—

See Post Hole, etc.

Dog Collars—

Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%
Medford Fancy Goods Co. list..40& 10@50%
Union Hardware Co. New List. 50&50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$25.00

Door Springs—

Champion (Coil)...50&10@50&10&10%
Foster's (Coil).....30%
Gem (Coil), list Oct. '95.....25%
Rubber, complete, ₩ doz. $5.50. 66⅔@70%
Star (Coil), list Oct. '95.....33⅓&10%
Torrey's Rod, 39 in, ₩ doz $1.25@1.35
Victor, Coil.....60&10@60&10&5%
Warner's.....55@55&10%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Adjustable Handle.....40@40&10%
Bradley's.....35%
Douglass.....75@75&10%
Jennings & Griffin.....75 & 5%
Merrill & Wilder.....60&10%
Mix.....
New Haven.....
P. S. & W.....
Witherby.....
} 75& 10& 5%
Watrous.....20@20&10%
L. & I. J. White.....30&5@35%
Wilkinson's Folding.....35@35&5%

Drills and Drill Stocks—

Automatic Boring Tools..$1.75@1.85
Blacksmiths'.....each $1.75
Breast, Bartholomew's No. 12, ₩ doz.....$15.00
Breast, Millers Falls, each $3.00 15&10%
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Graves Drill Stocks.....40%
Ratchet, Billings' Dble. Acting.33⅓&5
Ratchet, Ingersoll's.....25%
Ratchet, Merrill's.....20@30&5%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Parker's.....40%
Ratchet, Whitney's.....30&10%
Ratchet, Weston's.....30@35%
Stearns' Bench.....50@60&10%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓&5
Wilson's Drill Stocks.....10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

Dover (Standard Co.) No. 10 ₩ gro. $9.50
Dover Extra Heavy (Standard Co.) No. 15.....₩ gro. $21.10
Paine, Diehl & Co.'s Keystone..33⅓&5
Spiral.....₩ gro. $4.25@$4.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$2.00 each, less 50%
Annunciators, $1.50 ₩ drop, less 50%
Batteries, Leclanche...80c. each, less 50%
Batteries, Carbon..60c. ea., less 50%
Batteries, Medical, $3.50 ea., less 50%
Batteries, Dry.....50c. ea., less 50%
Bells, Electric, 2¼, 50c. ea., less 50%
Call Bell Outfit, Electric...$2.00 each, less 50%
Desk Pushes Electric..30c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Risers' Set, Electric..$3.50 each, less 50%
Floor Pushes, Electric...6 c. ea., less 50%
Gas Burners, Electric....50 c. ea., less 5 %
Gravity Batteries, $1.00 ea., less 50%
Hydrometers....75c. each, less 50%
Incandescent Lamps..40c. each, less 50%
Induction Coils, Telephone..6 c. each, less 50%
Lead Covered Wire No. 18, No. 16, No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Push Buttons, Wood..10c. each, less 50%
Sal Ammoniac...18c. ₩ ℔, less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt....24c. each, less 50%
Switches, 3 pt....28c. each, less 50%
Spark Coils, 8 pt..$2.00 ea., less 50%
Spark Coils, 10 pt $2.40 ea., less 50%
Spark Coils, 12 pt.....$3.80 each, less 50%
Tape, Insulating, 30c. ₩ ℔, less 50%
Tube, Speaking, $31.00 ₩ 1,000 ft. less 50%
Whistles, Speaking Tube, N. P. 2.00 ₩ doz., less 50%
Whistles, Speaking Tube, Porcelain.....75c ₩ doz., less 50%
Wire Winders, $10.00 each, less 50%
Window Springs, Electric...24c. each, less 50%
Yale Lock Switch, Electric, $3.50 each, less 50%
Zincs, Leclanche...04c. ea., less 5%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ₩ ℔..4½c	5c	3c	
¼ kegs, ₩ ℔.4½c	5¼c	3¼c	
½ kegs, ₩ ℔. 5c	5½c	3½c	
10 ℔ cans, 10 in case.... 6c	6½c	5½c	
10 ℔ cans, less than 10.. 10c	10c	8c	

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Brass Thread.....80@80&10%
Wood.....25%

Escutcheon Pins—

Brass.....70@70&10%
Iron, list January, 1890.....80@80&5%

Farriers Knives—

"Challenge".....₩ doz. $3.00
Popes.....₩ doz. $3.00
Wilkinson's.....₩ doz. $3.00

Faucets—

Brass Globe Cocks.....60&10%
Brass Racking.....60&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Bohren's Pat. Rubber Ball.....25%
Benn's Cork Stops.....60%
Frary's Pat. Petroleum..60&10@70%
John Sommer's Boss Tin Key....50%
John Sommer's Chicago Cork Lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Cedar (in bbls.) 50&10%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....50%
John Sommer's No Brand Metal Key.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.40%
John Sommer's Peerless Tin Key.40%
John Sommer's Reliable Cork Lined.....60%
John Sommer's W. P. Metal Key.40%
Star.....60@60&5%
Self-Measuring:
Enterprise ₩ doz. $36.00.....40%
Lane's ₩ doz. $36.00.....40%
National Specialty Mfg. Co....40%

Fibreware—

Standard Fibre-ware Co.

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Buggy Pails, 7 in. high.	2.60		
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt.	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)...	1.40	1.70	2.00
Cuspidors, 9x7½ inches, (anti-tip-over).....	5.50	6.50	7.00
Dairy Pails, 14 qt.....	3.30	3.80	4.30
Fire Pails, 14 qt., stencilled "fire.....	3.40		
Fruit Bowls.....	1.20	1.70	2.00
Keelers, 11½ inch.....	2.30	2.80	3.10
Milk Pans.....	1.50	2.00	2.20
Mats, 8¼ inch (for table use).....	.50	1.00	1.20
Mats, 15 inch (for cuspidores, etc.....	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.20
Prison Pails, 16 qt. (with cover).....	6.50		
Pitchers, 10½ in. high..	4.00	4.70	5.20
Peck Measures.....	2.80		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt....	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Spittoons, Daisy, 8¼ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4.00	4.80	5.30
Water Pails, 12 qt.....	$3.00	$3.50	$4.00
Waste Paper Jars.....	3.00	4.00	4.50
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2.10
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in.. (or Wash Bowls,.....	2.30	2.90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4.00

Files—

DOMESTIC—

American.....70&10@75%
Arcade.....70%
Great Western.....70&10@75%
Kearney & Foot.....70&10@75%
Nicholson.....70%
Nicholson's X. F. Files.....33⅓&5
Second Quality Files.....80@80&10%
Tiger.....75%
Troy File Works:
Files.....70&10%
Rasps.....70%
Victor.....75&10%

IMPORTED—

Stubs.....Stubs' list, 25@30%

Filters—

Seed's Water Filters:

A 1, $4.00	No. 2, $3.50	No. 3, $1.50	No. 4, $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....60&20%

Fluting Scissors—

List.....45%

Forks—

Champion, Hay, Manure, etc 75&15%
Columbia, Hay.....75&10%
Columbia, Manure.....8%
Columbia, Spading.....30&5%
Hay.....75%
Iowa Farming Tool Co.:
Barley.....60&40%
Manure, 4 tine.....75&10 & 2½%
Manure, 5 and 6 tine ..... 7[illegible] &20&5%
Spading.....75&10&2%
Victor, Hay.....75&10 %
Victor, Manure and Header.....30%

Freezers, Ice Cream—

Blizzard.....net
Gem.....net
Granite State.....net
Improved Arctic.....net
Keystone, P. D. & Co.....20%
Ohio.....60&10%
Packer's:
Confectioner's Machine.....net
Double Action Standard.....net
Good Luck.....net
Standard.....net
Shepard's Lightning.....net
White Mountain.....net

Fry Pans—

Acme Fry Pans.....70&10%
Polished, regular goods...75@75&10%
Standard List.....75&10@80%

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Gas Lighting Burners—

Gem.....₩ doz. $2.50
In lots of 3 doz.....₩ doz. $2.25

Gauges—

Bemis & Call's Steel.....50%
Boss, Screw Pitch..... .....33⅓&5
Clapboard.....20%
Marking, Mortise, &c..60&10@60&10&10%
Stanley's.....60&10%
Stanley's Chisel.....25%
Starrett's Surface, Center and Scratch.....25&10%
Copeland Champion Bit ₩ doz $2.00 net
Stubs' Wire and Drill.....20%
Wire, Morse's.....25%
Wire, P. S. & W., low list.....10&10%
Wire, Wheeler, Madden & Co....10%

Gimlets—

"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%
"Diamond" Gimlets ₩ gr. $4.00@4.25
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%
"Eureka" Gimlets.60&10@60&10&5%
Metal head.....55%
Nail Gimlets:
Assorted 1, 2 and 3.....₩ gr. $1.50
Assorted 2 and 3.....₩ gr. $1.70
Pod.....50%
Star.....60%
Spike Gimlets:
Assorted 1, 2 and 3.....₩ gr. $3.00
Assorted 2 and 3.....₩ gr. $3.25
Wood head.....50&10%

Glue—

Dodd's Liquid Glue.....25&25&10%
Le Pages Liquid.....25&25&10%

Glue Pots—

Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....60%
Enameled.....45@50%
Tinned.....45@50%

Graters—

Enterprise.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
P., S. & W. Co.....50&10&10%
Russell & Erwin.....70&10%
Sargent's Patent..70&10@70&10&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
'96 List.....60&20%
Upson & Woodins.....40%
Wright's Animal Tether.....30%

Hammers—

HANDLED HAMMERS—

Atha Tool Co.....50&10@60%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....50&10%
C. Hammond & Son. List..40&10@50%
Humason & Beckley.....50@50&10%
Dunlap's Patent.....25%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40&10%
Maydole's.....33⅓&5@40&5&5%
Peck, Stow & Wilcox.....40@40&5%
Fayette R. Plumb:
Artisan's Choice, A. E. Nail.. 40&12½&5
Engineers & B. S. Hand.....0&15%
Y. & P., A. E. Nail.....40&12½&5
Other Brands.....10&10@60%
Sargent's New List.....45@50%
Verree.....50&10@60%
Warner & Nobles New List..25&10%

HEAVY HAMMERS AND SLEDGES—

Under 3 ℔...₩ ℔ 40c
3 to 5 ℔.....₩ ℔ 35c } 75@75&10%
Over 5 ℔.....₩ ℔ 30c

Wilkinson's Smiths....9½c@10c₩ ℔

Hammock Ropes—

Covert Mfg. Co.....45%
Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—

Chest Handles, Sargent's..50&10@50&10&10%
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.08	1.35	1.50

50&10@60%
Drawer Handles.....60%
Ring Handles.....70%
Rowgin's Latches.....50&10@60%
Shelf Box Handles.....65%
Trunk Handles.....60%
Tub Handles.....60&10%

STORE DOOR HANDLES.—

Bronzed, with Cylinder Lock....50%
Bronzed.....60&10@66⅔&5
Japanned, with Nuts.....$1.62
Japanned, with Plate.....$1.10
Japanned, without Plate.....88c

DOOR PULL—

Bar.....60@60&10%
Barn Door.....50&10%
Chest and Lifting.....60@60&10%
Drawer Pulls.....50&10@60%
Plain B. M.....60@60&10%
Push Plates, Sargent's List..60@60 &10%
Sash Pull Plates.....70&10%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔&5

WOOD—

Auger, assorted.....₩ gr. $2.25@2.50
Auger, large.....₩ gr. $3.00@3.25
Auger, Douglass', Pat. ₩ set, No. 1, $1.00; No. 2, $1.40
Auger Ives', Pat. No. 1, 60&10% No. 2 to 33⅓.....40%
Auger, Swan's, Pat. ₩ set, No. 3, $1.00; No. 4, $1.25.....25&10%
Brad Awl.....₩ gr. $1.75@2.00
Chisel Worcester Leather Cap'd 1.50
File, assorted.....₩ gr. $1.25@1.40
Firmer Chisel, Apple ass'd ₩ gr. $2.25@2.50
Firmer Chisel, Apple large ₩ gr. $3.75@3.00
Firmer Chisel, Hickory ass'd ₩ gr. $2.00@2.25
Firmer Chisel, Hickory, large, ₩ gr. $2.50@2.75
Firmer Chisel, Socket ass'd ₩ gr. $2.00@2.25
Hammer, Hatchet, Axe, Sledge, etc.....50&25
Hoe, Rake and Fork 60&10@60&10&5%
Saw and Plane.....40&10@50%
Shovel and Spade, Wood D Hdle. 60@60&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....60&10@60&10&10%
Barn Door, New England.70@70&10%
Barry, $6.00.....50&10%
Best Anti-Friction.60&10@60&10&5%
Challenge, Barn Door.....50%
Cronk's Roller Bearing, No. 4, $18.00; No. 5, $26.00.....60&10&10%
Cronk's Steel cov'd Loose Axle, 60&10&10%
Davis Parlor Door.....50@50&5%
Duplex (Wood Track).....60&10&5%
Kidder's.....50@50&10%
Lanes Barn Door:
Covered.....60&10%
No. 50.....60&5%
New Model.....4 &10%
Parlor, Standard.....40&10%
Standard.....60&10%
McKinney's "None Better," No. 2, $18.00; No. 1 Special, $15.00, ₩ dozen pairs.....60&10%
Reed's Steel Arm.....30%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Richards' Single Track, Steel.50&10%
Star.....50&10&10%
Stearns' Challenge.....50@50&5%
Sterling's Impr'd.60&10@60&10&10%
Stowell Barn Door:
Badger.....60&10%
Climax.....55%
Interstate.....60&15%
Magic.....50%
Matchless Covered.....60&10%
Wild West.....50%
Zenith.....55%
Baggage Car Door.....33⅓&5
Elevator.....40%
Railroad.....55%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
The Boss.....60&10@60&10&5%
Universal Anti-Friction.....40%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4, $35.00.60&10&2½&5
Warner's Pat.....20&10&10%

Harness Snaps—

See Snaps.

Hasps and Staples—

McKinney's "Perfect," $1.10 ₩ doz.....40&10%
Wrought.....85&10@85&10&5%

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Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Auburn Hay, Com. and Spear Point 50%
Auburn Straw 40%
Lightning, from jobbers $6.00@$6.35
Wadsworth's ..... 40&5@40&7½%

Hedge Shears—

Wm. Wilkinson & Sons 50%

Hinges—

WROUGHT IRON HINGES—

Corrugated Strap and T.. 7f@75& 5%
Rolled Blind Hinges Nos. 33 and 34 50&10@50&10&5%
Rolled Plate ..... } 70&10@70&10&5%
Rolled Raised .... }
Plate Hinges "Providence" 6 to 12 in. ₩ lb., 5c. 14 to 36 in. ₩ lb., 4c.
Screw Hook and Strap. { 6 to 12 in., ₩ lb..2½c; 14 to 20 in., ₩ lb..2½c; 22 to 36 in., ₩ lb..2 c
Strap and T ..... 75@75&5%

SPRING HINGES—

Acme ..... 30@10%
American 20%
Bommer's 40%
Bardsley's Patent Checking 15%
Chicago 30%
Crown 30%
Champion 60%
Devore's No. 1 ..... ₩ gr. $13.00
Geer's Spring and Blank Butts.. 40%
Gem ..... 30&10%
Kell's American 30%
Matchless No. 10 ..... 70%
New Idea, No. 1, ₩ gro. $7.50
New Idea, No. 2, ₩ gro. $18.00
Oxford ..... 30&10%
Rex ..... ₩ gr. $13.00
Royal Japanned 66⅔%
Rubber 66⅔%
Sargent's List 1894:
Bronze Metal ..... 75&10%
Japanned Surface, Single.. 70&10%
Japanned Surface, Double. 60&10%
Mortise 55%
Model ..... 70@70&10&10%
Tuscan Surface, Single 70%
Tuscan Surface, Double 70%
Vigilant ..... 50&10@50&10&10%
Union Spring Hinge Co.'s list, March, 1894 ..... 30%
Union Mfg. Co 25%
Wiles' No. 1, ₩ gr., $16.00; No. 2. $13.00

GATE HINGES—

Automatic ..... ₩ doz $12.50, 50%
Common Sense.. ₩ doz pair $4.50, 50%
Clark's Nos. 1, 2, 3 ..... 70&10&5%
Long's Self Closing 50%
N. E... ₩ doz $7.80 ..... 60@60&10%
N. E. Reversible ..... ₩ doz $5.60 60@60&10%
N. Y. State.. ₩ doz $4.90.. 60@60&10%
Reed's Latch and Hinges... ₩ doz $13.00, 50%
Seymour's ..... 45&10%
Shepard's Nos. 1, 2, 3, 8.60&10@60&10 &5%
Western, ₩ doz $4.20 ..... 60@60&10%

BLIND HINGES—

Clark's:
Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3 ..... 80&10%
Mortise Gravity 50%
Nos. 1, 3, 5 ..... 80&10%
Nos. 40 and 50 ..... 80%
Huffer 65%
Parker ..... 75@75&10%
Sargent's Nos. 1, 3, 5, 11, 13. 75@75&10%
Shepard's or Wrightsville Hdwe. Co.:
Acme, Lull & Porter ..... 60&10%
Buffalo Gravity Locking, Nos. 1, 3 and 5 ..... 80&10&5%
Champion Gravity Locking, No. 7a ..... 60&10&10%
1888, Old Pat'n, Nos. 1, 3 and 5, 60&10%
Tip Pattern, Nos. 1, 3 and 5, 60&10&5%
Double Locking, Nos. 20 and 25. 75%
Empire, Nos. 10 and 10½ 80%
Niagara Gravity Locking, Nos. 1, 3 and 5 ..... 80&10%
Noiseless, Nos. 50, 60, 65 and 65. 80%
O. S. Lull & Porter ..... 80&10&5%
Pioneer, Nos. 060, 45 and 5½.. 75&5%
Steamboat Gravity Locking, No. 10 ..... 80&10&5%
Stenger's Noiseless 75%
Mortise Gravity 50%
Stanley's Steel Gravity Blind Hinges, ₩ doz. sets $1.20 ..... 40&10%

Hitching Cords—

Covert Mfg. Co 45%

Hoes—

HANDLED—

Crescent Cultivator, 6 in. ₩ doz. $2.75 net
Crescent Cultivator, 7 in. ₩ doz. $4.00 net
Crescent Double-Bit, ₩ doz. $4.00 net
Crucible Cut-Easy.. ₩ doz. $4.50 net
Cotton ..... 8c& 12½%
Dunlap's Boys', Ladies', Toy 8%
Garden, Mortar, &c. ..... 75& 25%
Iowa Crucible Socket ..... 75&25%
Magic ..... ₩ doz $4.00
Mattock Hoe ..... ₩ doz. $4.00 net
Planter's ..... 80&20%
Texas Cut-Easy ..... ₩ doz. $4.25 net
Warren Hoe ..... 60&10%

EYE—

American Axe & Tool Co 70%
Grub ..... 60&10@70&5%
Lane's:
Crescent Planters Pat ..... 45&5%
Razor Blade, Scovil Pat ..... 80&5%
Sandusky Tool Co., S. & O. Pat. 60@60&10%
D. & H. Scovil ..... 30@80%

Hog Rings and Ringers—

Hill's:
Rings ..... ₩ gr. boxes..$3.60@$4.00
Ringers ..... ₩ doz. 55@65c
Perfect Rings ..... ₩ gro. 90c
Perfect Ringers ..... ₩ doz. $1.00

Hollow Ware—

IRON—

Granite and Agate-Ware ..... 40&10%
Ironclad Enameled-Ware. 60&10&10%
Rustless Hollow-Ware ..... 50@50&5%
Stove Hollow-ware:
Ground ..... 60&10&10@70%
Unground ..... 70&5@75%
White Enameled Ware:
Boilers and Saucepans ..... 62½@65%
Maslin Kettles ..... 75&5@75&10&5%
Tinned Boilers and Saucepans ..... 60&5@60&10%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.

Hartford Silver-Plate Co ..... 40&5%
Holmes & Edwards Silver Co. 40&15&5%
Meriden Britannia Co ..... 40&5%
Reed & Barton ..... 40&5%
Rogers & Brother ..... 40&5%
Simpson, Hall, Miller & Co ..... 40&5%
William Rogers Mfg. Co ..... 40&10%

Hooks—

BUSH—

Jennings & Griffin's ..... 40&10%
Light ₩ doz. $5.00: Medium ₩ doz. $5.50; Heavy $6.00

CAST IRON—

Bird Cage, Sargent's list ..... 60&10&10%
Bird Cage, Reading ..... 60@60&10%
Bird Cage, Williamson 50%
Ceiling, Sargent's list ..... 50&10%
Chandelier 70%
Clothes Line, Sargent's list.. 5& &10%
Coat and Hat, Sargent's list.. 50&10%
Coat and Hat, Reading ..... 60&10%
Coat and Hat, Stowell's 70%
Harness, Sargent's list ..... 50@50&10%
Lamp 55%
Picture 75%
Screw Hat 70%
Wardrobe 55%

WROUGHT IRON—

Cotton ..... ₩ doz $1.35
Cotton Pat. (N. Y. Mallet & Handle Works 30%
Hammock Hooks, E. C. Stearns, ₩ doz. 60c
Picture, T. & S. Mfg. Co 75%
Tassel, T. & S. Mfg. Co ..... 50&10%
Wrought Staples, Hooks, &c. See Wrought Goods.

MEAT—

Enterprise 33⅓%
Wm. Johnson's:
8 in ..... ₩ doz. $2.20 net
10 in ..... ₩ doz. $2.70 net

WIRE—

Atlas Coat and Hat ..... 50@50&10%
Belt ..... 80@80&10%
Handy Coat and Hat 70%
Steady Ceiling 70%
Wire Coat and Hat, Acme ..... 60&10%
Wire Coat and Hat, Gem 70%
Wire Coat and Hat, Standard 45%

MISCELLANEOUS—

Carpenter's Amc. Grass Hooks, ₩ doz. $4.00
Covert's Saddlery Works:
Self-Locking Gate and Door Hooks ..... 60&20%
Dunlap's Merchandise 25%
Grass, No. 2, $1.6 ; 3, $1.80; 4, $2.00
Hooks and Eyes—Brass ..... 70&10%
Hooks and Eyes—Mal. Iron 75%
Wm. Johnson's Cotton, Box and Hay 60%
Stowell's:
Clothes Line 70%
Harness 70%
Hotel & School House 70%
Whiffletree ..... ₩ lb 4½c

Horse Nails—

	Nos. 6	7	8	9	10
A. C.	25c	23c	22c	21c	21c.

40&10%

American, all sizes, 9½@10c ..... net
Ausable ..... 28c 26c 25c 24c 23c. 40&10&5%
Anchor ..... 23c 21c 20c 19c 18c 40%
C. B. K. 25c 23c 22c 21c. 21c 40%
Capewell ..... 19c 18c 17c 16c 16c.. 10&5%
Champlain.. 28c 26c 25c 24c 23c 40&5&2%
Clinton Fin. 19c 17c 16c 15c 14c. 30&10&5%
Empire Bronzed 10c
Essex ..... 28c 26c 25c 24c 23c. 40&10@50%
Lyra .... 9½c 9½c 9½c 9½c 9½c., net
Maud S .... 25c 23c 22c 21c. 21c 60&10&5%

	Nos. 6	7	8	9	10
Northw't'n.	25c	23c	22c	21c	20c.

25@25&5%

Putnam ..... 23c 21c 20c 19c 18c.... 35%
Snowden, 9½c 9½c 9½c 9½c 9½c., net
Vulcan ..... 23c 21c 20c 19c 18c 35%
Western, 5 to 10d 9c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co 45%

Hose, Rubber—

Boston Belting Co.:
"Boston" ..... 50&10&5%
"Imperial" ..... 30&5%
Competition ..... 75@75&10%
Extra ..... 60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para ..... 40&10%
Reliable ..... 50&10%
Staple ..... 60&10%
Standard ..... 70&10@70&10&5%

Ice Awls, Chippers, &c.—

Copeland Ice Pick ..... ₩ gr $9.00 net
Crown ..... net
Dunlap's:
No. 1 ..... $3.50 per doz 20%
No. 20 ..... $12.00 per doz 20%
Gem Ice Shave ..... net
Sargent's Ice Awls 55%
Star ..... net

Ice Shredders—

Enterprise, No. 33, ₩ doz. $7.20..25%
No. 34 ..... ₩ doz. $15.00..25%

Jack Screws—

See Screws.

Kettles—

Spun Brass, Plain ..... 15@30%
Spun Brass, plated inside with White Metal ..... 10@15%

Knives—

Ames':
Bread Knives. ₩ doz. $1.50,..20@25%
Butcher Knives ..... 25@25&10%
Shoe Knives ..... 25@30%
Dunlap Kitchen and Br'd Knives 25%
Foster Bros.' Butcher, &c 40%
Goodell's:
Bread Knives Ass'n list ..... net
Butcher 25%
Shoe Knives 40%
Hay and Straw, see Hay Knives.
Nichols' Butcher Knives 50%
Table and Pocket, see Cutlery.
Wilson's Butcher Knives..25@25&5%

Knobs—

Bardsley's Wood Door, Shutter and Base 15%
Base, Rubber Tip, 2½ in. Bead, ₩ gr. ..... $1.25@$1.50
Carriage, Jap ..... ₩ gro. 80c, 60&10%
Door Knobs, Hemacite ..... 50&10%
Door Mineral ..... ₩ doz. 55@60c
Door Por. Jap'd ..... ₩ doz. 65@70c
Door Por. Nickel ... ₩ doz..$1.70@1.80
Drawer, Porcelain. 60&10@60&10&10%
Picture, Hemacite ..... 50&10%
Picture, Judd's ..... 50&10&10%
Picture, Sargent's ..... 70&10%
Shutter, Porcelain 70%
Yale & Towne Wood, list Dec. '85. 40%

Ladles, Melting—

Monroe's Pat ..... ₩ doz $4.00, 40%
P. S. & W ..... 35&10@40%
Reading ..... 50&10%
Sargent's ..... 60@60&10%
Warner's 30%

Lanterns—

Buhl Stamping Co:
No. 100 Buhl Tubular Headlights, ₩ doz. list $30.00
No. 16 Buhl Side Lever, ₩ doz. list $7.50
No. 10 Buhl Improved Regular, ₩ doz. list $7.00
No. 200 Buhl Square Top Lift, No. 2, ₩ doz. list $11.00
No. 150 Buhl Dash Reflector, ₩ doz. list $10.00
No. 2 0 Buhl Dash Reflector, No. 2, ₩ doz. list $17.00
Discount ..... 40&5%

Latches—

Cronk's Sliding Door 60%
Lane's Barn Door 40%

Lawn Mowers—

Champion ..... 75&10%
Continental ..... 60&10%
Drexel Cheap Mowers ..... net
Enterprise 40%
Genuine Philadelphia Mowers:
C. K. L ..... 70&10%
Styles A., and E ..... 60&10%
Styles, D., D. O. W., M., S., T.. Great American ..... 70&10%
Imperial ..... 60&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%
New Easy ..... 60&10@60&10&10%
New York ..... 60&5%
Pennsylvania ..... 60&10%
Rapid Transit ..... 70&10&10%
Standard ..... 60&5%
Sunbeam ..... 60&10%

Lawn Sprinklers—

Enterprise 25%
Gibbs' Arc ..... ₩ doz. $10.00
Gibbs' Hustler ..... ₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler:

No. 1,	No. 2,	No. 3
₩ doz. $12.00	$15.00	$24.00..35%

Lemon Squeezers—

Berger Bros. ₩ doz. 8-in. $1.00: 10-in. $1.40 ..... 20%
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Dunlap's Improved ₩ doz. $3.75 20%
Hotchkiss, Straight Flush ₩ doz. $9.60
Jennings' Star... ₩ doz. $1.90@$2.40
Little Giant ..... 60@60&5%
Porc. Lined, Iron ..... $3.25@$3.50
Porc. Lined, Wood .... ₩ doz. $5.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.

Letter Box Plates—

Name Door Plate ..... 50@50&10%
Name Plate 70%
Number Door Plate ..... 60@60&10%
Sargent's ..... 60&10@70%

Levels—

C. E. Jennings & Co.'s:
Hexagon ..... 35&10%
Iron Bench, new design .... 35&10%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's 50%
Cotton Chalk, 20 feet ..... 60&10%
Cotton Trot 33⅓%
Masons':
Colored Cotton ..... 40&10%
Flax ..... 40&10%
No. 0 to 5 ..... 25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50 ..... 10%
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro. 35%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz. $7.50. 20%
Wire Clothes, 100 feet, No. 18, $3.25; No. 19, $2.00; No. 20, $1.75

Locks—

DOOR LOCKS, LATCHES, &c.—

Barnes Mfg Co ..... 40@40&10%
Branford Lock Co ..... net prices
Brooklyn Latches ..... 60&10%
Champion Night Latches 40%
Dietz Flat Key 30%
Mallory, Wheeler & Co ..... 60&10@70%
Norwalk Lock Co ..... 60&10%
Plate 33⅓%
R. & E. Mfg. Co ..... 60&10@70%
Reading Hdw. Co ..... 60@60&10%
Romer's Night Latches ..... 20&5%
Sargent & Co ..... 60&10@60&10&10%
Slaymaker, Barry Co's:
Corrugated Key Latch ..... 35&5%
All other Night Latches 40%
Yale ..... net prices

CABINET—

Barnes Mfg. Co ..... 40@40&10%
Dietz:
Nos. 22 to 29 ..... 40%
Nos. 41 to 78 ..... 45%
Nos. 87 to 96 ..... 30%
Eagle Lock Co ..... 45&2%
Charles Parker Co ..... 45&2%
Romer's 25%
Stoddard Lock Co ..... 80@33⅓%
Yale ..... 45&2%

PADLOCKS—

Acme Bicycle and Satchel per doz. $9.00 ..... 40%
Ames Sword Co 40%
Barnes Mfg. Co ..... 60@50&10%
Champion 40%
A. E. Dietz 40%
Eagle 40%
Eureka, Eagle Lock Co ..... 40&2%
Gem, Corbin's ..... 40&2%
Romer's Nos. 0 to 9 ..... 40&2%
Scandinavian ..... 90&40@90&40&10%
Smith & Egge Bicycle 50%
Wrought Iron ..... 75@80%
Yale Lock Co ..... net prices

TRUNK—

Corbin's 25%
Eagle 25%

Mallets—

Sargent's List
Hickory ..... 50@25&10%
Lignumvitæ ..... 50@25&10%
Raw-Hide ..... 40&10%

Mattocks—

Regular list ..... 70@70&10%

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Meat Cutters—
American.....30%
Nos....1 2 3 4 B 5
Each..$5 $7 $10 $25 $50 $60
Beef Shavers (Enterprise).....20%
Chadborn's Smoked Beef Cutter, ₩ doz $60.00
Dixon's.....₩ doz 33⅓%
Nos.....1 2 3 4
$14 $17 $19 $30
Enterprise.....25%
Nos.....10 12 22 33 42
Each...$3 $3.50 $4 $6 $15
Hales Pattern ₩ doz.....70@70&5%
Nos.....11 12 13
$27 $33 $45
Home No. 1..₩ doz $36.....60%
Little Giant.....50&10%
Nos. 305 310 313 320 323
$35 $43 $44 $73 $68
Miles' Challenge ₩ doz...45@45&10%
Nos.....1 2 3
$23 $30 $40
Perfection.....net
Woodruff's ₩ doz.....33⅓%
Nos.....100 150
$15 $18

Metals, Anti-Friction—
Magnolia Metal Co.:
Magnolia, Anti-Friction, ₩ lb..25c
No Name.....₩ lb..18c
Mystic.....₩ lb.. 8c
f. o. b. New York or Chicago.

Molasses Gates—
Enterprise.....20%

Mop Wringers—
Matchless (Canton, O.), ₩ doz.$12.00

Nails—
WIRE AND CUT NAILS—
See Trade Report for quotations.
Wire Nails and Brads, Papered, Ass'n list, May 1, 1893.....87½%
Grand Crossing Tack Co. List:
Wire Brads.....80%
Wire Nails.....80%
PICTURE—
Brass Head. Combination list, 50& 10%
Brass Head, Sargent's list, 70&10@ 70&10&5%
Niles' Patent.....40%
Porcelain Head, Comb'n list..40&10%
Porcelain Head, Sargent's list, 50& 10%
FURNITURE—
Antique Bronze.....10%
China.....25%
Fire Gilt.....10%
Plain.....40%

Nail Pullers—
Black Hawk, per doz.....$9.00
Giant, No. 1, ₩ doz $18.00; No. 1½, $16.50; No. 2, $15.00.....30&5%
Lightning.....₩ doz $18.00, 20%
National.....40%
Pelican.....₩ doz $9.00, 15&10%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—
Buck Bros.....27½%
Cannon's Diam'd Point ₩ gr. $12, 25%
Dunlap's.....20%
Humason's.....50&10%
Hunters' Cup Point Knurled.... ₩ gro. $10.00
Hunters' Cup Point, Plain.... ₩ gro. $9.00
Round, assorted.....₩ gr. $3.00@3.25
Square.....₩ gr. $4.00@$4.25

Nippers—
Acme.....50%
Smith's Cutting.....40%
Todd's Cutting.....50%

Nut Crackers—
Acme, Japanned, ₩ gross $30.00..40%
Turner & Seymour Mfg. Co.....50%

Nuts—
Cold Punched, Square, off list. $5 40
Hex, off list.....$5 70
Hot Pressed, Square, off list..$5.90
Hex, off list.....$6.70
Tapped.....50%

Oilers—
Brass and Copper.....50&10%
Cushman & Denison's:
Pocket Oilers.....₩ doz. $1.55
Star Pocket Oilers..... .75
Draper's:
Brass.....70&10%
Steel.....70&10%
Malleable. Hammers, New Style, 10@10&5%
Malleable, Hammers, Old Pattern, same list.....50&10%
"Paragon," Brass.....50&10@60%
"Paragon," Zinc.....70@70&10%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....75%
Zinc and Tin.....70&10@75%

Oil Stones, etc.—
OIL STONES—
Pikes Washita:
Lily White, ₩ lb.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ lb..... .50
No. 1..... .40
No. 2..... .30
Pike's Washita Round Edge Slips: 3 to 5x1¾ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¾x¾ to ⅝ ₩ lb..... .70
Discount 33⅓%.
Pike's Washita Mounted No. 1:
8x2, ₩ doz.....$12.00
7x2, " 11 00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3¼x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ lb..... .24
" 2x2x½, extra selected.. .40
Discount 33⅓%.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanizing, per lb 70c.....40%
Boston "Phoenix" Red Sheet, per lb.....50c.net
Extra.....60&5@60&10&5%
Standard, Fair Quality..70&10@75%
MISCELLANEOUS—
American Packing.....9c@10c ₩ lb
Cotton Packing.....14c@15c ₩ lb
Italian Packing.....12c@14c ₩ lb
Jute.....6c@7c ₩ lb
Russian Packing.....18c@14c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Gold Medal.....₩ doz 4.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Oriole.....₩ doz 4.00
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 76.....₩ doz 7.00
Rocking Table.....₩ doz 5.50
Scott's Pat. Rotary, ₩ doz $15.00, 20%
Turntable.....₩ doz 4.50
Victor.....₩ doz 13.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
POTATO—
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50
White Mountain.....₩ doz $4.50

Pencils—
Dixon's:
Carpenters'.....₩ gr. $4.00@7.50
Carpenter, Yellow or Brown Lead.....₩ gro. 9.00
Lead.....₩ gro $4.50
Lumber.....₩ gro. 6.87
Mascot, Hexagon.....₩ gro. 3.38
Mascot, Round.....₩ gro. 3.10

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—
WOOD PLANES—
Bailey's (Stanley R. & L. Co.) 50&10@50&10&10%
Bench, First Quality.....55%
Bench, Second Quality....60@60&10%
Fales Bench.....25%
C. E. Jennings & Co.....50&10%
Molding.....50%
IRON PLANES—
Chaplin's Iron Planes.....50&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting.....35%
C. E. Jennings & Co., Iron.....50&10%
Meriden Mal. Iron Co.'s..40@40&10%
Sargent's.....60@60&10%
Siegley's:
Bench.....40%
Combination, each.....$4.50 net
Standard Tool Co.....50@50&5%
Stanley Rule & Level Co.:
Bailey's..50&10&10@50&10&10&5%
Miscellaneous.....35&10%
Steer's Iron Planes..50&10@50&10&5
PLANE IRONS—
Auburn "Thistle"..... } 30&10@40%
Ohio..... }
Sandusky..... }
Buck Bros.....30%
Butcher's.....$5.00@$5.25 to $
Hinsdale.....35&10%
C. E. Jennings & Co.....25&10%
Stanley Rule & Level Co.....50&10%
L. & I. J. White.....20&5@25%

Pliers and Nippers—
Button's.....70&10@70&10&5%
Carew's Pat. Wire Cutters.....25%
Cronk's:
Button Pattern.....70%
Gas Pliers, No. 100.....40%
Stubb's Pat. Pliers.....50%
Hall's Nippers, ₩ doz., No. 2, 5 in. $13.50; No. 4, 7 in. $21.00....40&10%
Hall's Pliers.....70%
Humason & Beckley Mfg. Co.50@50 &10%
Wm. Johnson's Gas Pliers.....66⅔%
Morrill's Parallel, ₩ doz $12.00 30&5%
Smith's Side Cutting.....25%
Stubs'.....20%
Swiss Pliers.....25%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6⅔ dis. 10%

Plumbs and Levels—
Cook's.....40&10&10%
Davis':
Inclinometers.....20%
Iron Levels.....35&10%
Disston's.....50%
Wm. Johnson's.....75%
Plumb Bobs.....40%
Pocket Levels.....70&10&10@75&10%
Stanley's.....75&10&10%
Stanley's Duplex.....35&10%
Wood's Extension Sight.....33⅓%

Poachers—
See Egg Poachers.

Police Goods—
J. P. Lovell's Police Goods.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
Tower & Lyon's.....25%

Polish, Metal—
Prestoline Liquid, New List.....40%
Prestoline Paste.....33⅓@40%

Polish, Stove—
Dixon's Plumbago.....₩ lb 8c
Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75

Poppers, Corn—
Round or square,
1 qt., ₩ doz. $ .75; ₩ gr. $6.50 } 10@
1½ qt. ₩ doz. $ .85; ₩ gr. $9.00 } 15%
2 qt., ₩ doz. $1.15; ₩ gr. $12.00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3.00; 2 qt., $4.00.....33⅓%

Post Hole Diggers—
Ryan's.....₩ doz., $20.00, 25%

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Cronk's Pruning Shears.....33⅓%
Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Dunlap's Saw and Chisel....₩ doz $3.50, 20%
Henry's Pruning Shears ₩ doz $3.50@$3.75
E. S. Lee & Co.'s Pruning Tools.40%.
P. S. & W. Co.'s Shears.....60%
Pruning Shears, Henry's Pat. ₩ doz.....$2.50@2.75
Waters Tree Pruners.....75&10%
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%

Pulleys
Awning.....60@60&10%
Axle.....60&10@60&10&10%
Brass Screw.....66⅔@70%
Ceiling.....50@10&60%
Clothes Line, Japanned..60@60&10%
Common Sense.....60%
Dumb Waiter.....60@60&10%
Empire Sash Pulley.....60%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%.
Hot House.....50&10@50&10&10%
Stowell's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%
Side. Anti-Friction.....50%
Shade Rack.....45%
Upright.....50&10@50&10&10%

Pumps—
Cistern, Best grades..65&10@70&10%
Pitcher Spout, Best grades 75&10@80%
Pitcher Spout, Cheaper Goods. 80&5@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig. 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70. Fig. 333, 3½ in Deep Well Pump.....$15.00
No. 72, Fig. 333, 3 in. Deep Well Pump.....$15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 443, 3 in. Lift Pump.....$10.00
No. 103, Fig. 443, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$13.50
No. 230, Fig. 403, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 403, Regulator Pump.....$30.00
No. 280 Fig. 484, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 572, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 433, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 330. Fig. 492, Bucket Spray Pump.....$6.50
No. 331, Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% f. o. b. Ashland.

Punches—
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Bemis & Call Co.'s:
Cast Steel Drive.....50@5%
Check.....55%
Spring.....50&5%
Springfield Socket.....55%
Morrill's Universal.....35%
Niagara Hollow.....45%
Niagara Solid.....55%
Rand's Centering Marking Tool..25%
Rice's Hand.....15%
Saddlers' or Drive, good ₩ doz..60@65%
Spring, good quality, ₩ doz $1.70@1.80
Spring, Leach's Pat.....15
Tinners' Solid, P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow, P. S & W. Co 20&5%

Rail—
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.65 1.80
Barn Door, "None Better" No. 1, ₩ foot.....2¼c
Barn Door, "None Better" No. 2, ₩ foot.....3¼c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Carrier Steel Rail, ₩ foot.....4½c
Cronk's:
Competition.....₩ foot, 2¼c
Common.....₩ foot, 2¼c
Double Braced.....₩ foot, 2¾c
Lanes' O. N. T.....₩ 100 ft. $3.40
Stowell's Wrought Steel.....35%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft 2c
Sliding Door, Wr't Brass, 1½ in. ₩ lb, 35c.....30&10@40&5%
Terry's Steel Rail, ₩ foot.....3½c
Victor Track Rail, 7c ₩ foot, 60&10&3½%

Rakes—
Cast Steel, Association goods.75&15%
Fort Madison Red Head Lawn. $3.25
Ft. Madison Blue Head Lawn, $3.00
Gibbe':
Acme.....net ₩ doz. $4.00
Boss, Garden, 14 teeth, net ₩ doz. $2.60
Boss, Garden, 18 teeth, net ₩ doz. $2.75
Canton Lawn Rake...₩ doz. $3.50
Crown Lawn, No. 1....₩ doz. $3.50
Hustler, No. 0.....₩ doz. $3.20
Lawn Rake.....₩ doz. $4.75
Malleable.....70&10@75%
Oneida Lawn.....doz. $6.00
Peerless Socket and Shank..75&15%
Prize Bow-Brace.....75&15%
Queen City.....33⅓%

Razors—
Electric.....List net
J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to $.....10%

Registers—
Stowell's:
Japanned.....80&10%
Nickel-plated.....75&10%
HOT AIR—
Ferrosteel, Japanned.....80&10%
Ferrosteel, Nickelplated.....75&10%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
American Screw Co.:
Bay State Rivets.....75&5%
Burrs.....75%
Soft Steel.....30%
Copper.....60&10&5@60&10&10%
Norway, list Feb. 26, '96.....70%

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Rivet Sets—

Regular list.....70@70&10%

Rollers—

Barn Door, Sargent's list..60&10&20@70%
Cronk's:
Acme Barn Door.....50%
Adjustable Stay..₩ doz. $1.00 net
Screw Stay.....₩ doz. 60c net

Rope

Cotton Rope, Best,
¼ in. and larger.....₩ ℔ 14½@15c
Medium, ¼ in. and larger.....₩ ℔ 12 @13c
Common, ¼ in. and larger.....₩ ℔ 9½@10c
Jute Rope.....₩ ℔ 5½c
Manila:
7-16 in. and larger..₩ ℔ 6½@6½c
½ in.....₩ ℔ 6¾@7 c
⅜ and 5-16 in.....₩ ℔ 7¼@7½c
Hay Rope, Med.....₩ ℔ 6½@6¾c
Sisal, ½ in.....₩ ℔ 5½c
¼ and 5-16 in.....₩ ℔ 5¾c
7-16 in. & larger.....₩ ℔ 4¼c
Med. L'th Y'rn.....₩ ℔ 4¼c
Hay Rope.....₩ ℔ 4½c

Rules—

Athol, Steel.....33⅓%
Boxwood..30&10&10&10@30&10&10&10%
Ivory.....50&10@50&10&10%
Lufkin's:
Steel.....55%
Lumber.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—

Chinese Laundry.....₩ ℔ 4½@5c
Chinese Sad.....3½@3½c
Colebrookdale Iron Co.:
Crown, Improved Pol, ₩ doz $6.50
Nickel.....₩ doz. $7.00
Comm n 4 to 10 .....₩ ℔ 2½@2¼c

COLD HANDLED—

Enterprise Mfg. Co. of Pa.:
No. E 50, nickel plated, size 1, 2 or 3, with "best" handles. ₩ doz.....$7.45
No. E 50, nickel plated, size 1 2 or 3 without handles, ₩ doz. $4.45
No. E 55, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.00
No E 55 plain p lished, size 1, 2or 3 without handles, ₩ doz. $4.00
No E 60, nickel-plated, size 1, 2 or 3 with "best" handles, ₩ doz.....$8.25
No. E 60, nickel-plated, size 1, 2 or 3 without handles, ₩ doz. $5.25
No. E 60, nickel-plated, size 4, with "best" handles, ₩ doz $9.50
No. E 60, nickel-plated, size 4, without handles, ₩ doz.....$6 80
No. E 65, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz.....$7.75
No. E 65, plain polished, size 1, 2 or 3 without handles, ₩ doz. $4.75
No. E 65, plain polished, size 4, with "best" handles.....$8.80
No. E 65, plain polished, size 4, without handles $5.80
The "Best" Handles, with Forged Iron Stretchers, ₩ doz.....$8.00
Self-heating.....₩ doz $10.00, 30%
Self-heating,Tailors' ₩ doz $22.50, 25%
Sensib'e Nickel.....₩ doz. $7.00
Sensible Pol.....₩ doz $6.50
Sensible, Tailors'.....₩ ℔ 3@3¼c

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Emery Cloth.....50&10@60%
Garnet Paper.....30@ 3 &5%
Sand and Emery Paper.50&10@60%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%

Sash Cord—

Cable Laid Italian Sash.....₩ ℔ 16c
Cable Laid Russia....₩ ℔ 13½c@14c
Common.....₩ ℔ 8½c@ 9c
Common Russia Sash.₩ ℔ 12½c@13c
India Hemp Sash.....₩ ℔ 9½c@10c
Jute, good quality.....₩ ℔ 11c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ ℔ 30c
"Samson" Braided Drab, Cotton.....₩ ℔ 35c
"Samson" Braided Italian Hemp.....₩ ℔ 38c
"Samson" Braided Linen, ₩ ℔ 56c
Silver Lake:
A Quality, Drab..₩ ℔ 55c. 3'@40%
A Quality, White, ₩ ℔ 50c. 35@40%
B Quality, Drab, ₩ ℔ 35c.....15@15&7½%
B Quality, White ₩ ℔ 30c.....15@15&7½%
White Cotton Braided, ₩ ℔ 31c@35c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts Flush.....70%
Sash Lifts With Lock.....60&10&10%
Sash Rollers.....70%
Shutter Bars.....60&10@70%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%

Sash Locks—

Champion Safety.....70&10&5%
Corbin's Daisy, '95 list.....40@45%
Davis, Bronze, Barnes Mfg. Co...60%
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Ives' Patent....60&10&5@60&10&10%
Payson's Perfect.....70%
Reading .....60&10&10@70%

Sash Weights—

Small lots.....₩ ton, $20.00@$21.00
Ton lots at factory.....$18.00@$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....30%
Enterprise Mfg. Co.....35%
National Specialty Mfg. Co.....35%

Saws—

Atkin's:
Band.....50&10%
Butcher, Pruning and Compass.....40&10%
Circular.....50&10%
Cross Cut.....40&10%
Gang.....50&10%
Hand.....40&10%
Wood.....40&10%
Disston's:
Circular.....45@50%
Cross Cuts.....40&10%
Gang.....45%
Panel, Hand & Rip.....25%
Haines' Needle Point.....40%
C. E. Jennings & Co.'s:
Butcher.....30%
Hand Panel, Rip and other Saws 25%
Peace:
Cross Cuts.....45&10%
Hand Panel and Rip..... .. 25&10%
Richardson:
Circular and Mill.....45&10%
X Cuts.....45&10%
Hand-saws.....25&10%
Star, Butcher.....25%
Woodrough & McParlin Cross Cuts.....45&10%

HACK SAWS AND FRAMES—

Chatillon.....30%
Griffin's:
Complete.....40&10%
Saw Blades.....40&10@50%
Star, Saws and Blades.....25%

Saw Frames—

C. E. Jennings & Co.....20%
Red, Polished and Varnished...₩ doz., $1.00@$1.10
Richardson's Wood.....net
White Vermont..₩ gro. .$8.50@$9.00

Saw Sets—

Atkin's:
Criterion Saw Sets. ₩ doz.....$6.00
Excelsior Saw Tools ₩ doz....$6.00
Bemis & Call Co.'s:
Cross Cut.....30&5%
Hammer, New Pat.....45%
Plate.....20%
Spring Hammer.....30&5%
Disston's Star.....35@35&10%
Hart's Pat. Lever.....20%
Kohler's:
"Giant Royal".....₩ doz. $10.00
"Royal".....₩ doz $6.00
Leach's.....33⅓%
Morrill's:
No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Cross-cuts Nos. 3 and 4, $32.00: No. 5, $31.00.....40&20%
Richardson's 25%
Seymour Smith & Son, Hammer, ₩ doz.....$4.75
Stillman's ₩ doz.....$1.00
Taintors Positive...$18.00 ₩ doz. 60%

Scales—

Chatillon's:
Eureka.....25%
Favorite.....40%
Grocers' Trip Scales.....50%
Family, Turnbull's.....30@30&10%
Hatch:
Counter, No. 171, ₩ doz. $17.00@ $18.00
Tea, No. 161.....₩ doz. $5.75@$6.00
Union Platform Plain...$3.00@$3.10
Striped.....$3.15@$3.25

Scale Beams—

Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%
Scale Beams, List Jan. 12, '89.50&10%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%

Box, 1 Handle.....₩ doz., $2.00
Box, 2 Handle....₩ doz., $3.00@$4.00
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool Co.....10%

Screens—

Phillips:
Bonanza Screens.....60@60&5%
Extension .....50&10&5%
Flyer.....50&10&5%
Perfection Screens.....60@60&5%
Window Screen Frames.....60&5%
Stearns':
Frames and Corners....25@25&10%
Gem Window Screen Frames, 25&10%
Monarch Adjustable Window Screens.....50%

Screen Doors—

Phillips:
Empire Fancy.....30&35%
Fancy Pine.....15%
Painted.....50&5%
Stained.....50&10%
Standard Oil..... .....35&40%

Screw Drivers—

Brace Screw-Drivers.....25&10&5%
Buck Bros.....30%
Screw-Drivers Bits.....27½%
Champion.....40&10%
Disston's.....5 @50c.;10
Pat. Excelsior.....5 &5%
Ellrich's Socket and Ratchet.40&10%
Fray's Hol. Hdle. Sets, No. 3, $12.50%
Howard-Allard.....50&10&10%
C. E. Jennings & Co.....40&10%
Jennings & Griffin.....65&10%
Wm. Johnson's:
1.5 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20 and 40 ..... 50@50&10%
Screw-Driver Bits....₩ doz., 50@75c
Screw-Driver Bits,Parr's₩ gro.$6.25
N. E. Specialty Co.'s.....50&10%
Stanley R. & L. Co.'s:
No. 64, Varnished Handles.70&10%
No. 86.....75&10%
Tower & Lyon:
Champion.....33⅓%
"Handy" Ratchet.....25%
Williamson's:
Beauty, ₩ doz.....$1.00 } 40%
Gem, ₩ doz.....90c }
C.T. Williamson Wire Novelty Co.40%

Screws—

WOOD SCREWS—

Brass, Flat Head.....90%
Brass, Round Head.....85%
Bronze, Flat Head.....87½%
Bronze, Round Head.....85%
Copper, Flat Head.....65%
Copper, Round Head.....60%
Drive Screws.....90%
Iron, Bright Flat Head.....90%
Iron, Br't R'd & Oval Head.....85%
Iron, Forged Flat Head.....90%
Nickel Plated, Flat Head.....90%
Nickel Plated, Round Head....77½%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....60%

MACHINE—

Brass, Flat Head.....45%
Brass, Round Head.....40%
Iron, Flat Head.....45%
Iron, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron, ₩ doz., 1 in., $2.75; 1½, $3.00; 1¼, $3.50
Bench, Wood, Beech. ₩ doz $2.00@2.20
Chair.....60&10%
Coach.....82½%
Hand Rail Am. Screw Co.....82½%
Hand Rail, H. & B. Mfg. Co.....80%
Hand Rail, Sargent's.....70@70&10%
Hand, Wood.....30&10@40%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W..40@40&10%
Jack Screws, Sargent's.....75%
Jack Screws, Stearns'.....40&10%
Lag Blunt Point, list Jan. 1, 1890. 75&20@80&10%
Piano Stool.....60&10%

Scroll Saws—

Barnes' No. 1, $8; No. 6, $10; No. 7 $15.....25%
Barnes Scroll Saw Blades.....40%
Cricket.....10&10%
C. E. Jennings & Co.....20%
Lester, complete, $10.00.....15&10%
Rogers, complete, $4.00.....15&10%

Scythes—

Grain.....50&10%
Grass .....50&10%
Scythe Snaths.....50&10@50&10&5%

Seeders—

Raisin, Enterprise..... .....25%

Shaft Couplings—

Bradley's:
Buggy, No. 8, ₩ Set.....$3.25
Surrey, No. 9, ₩ Set..... $3.60

Shears—

Acme (Cast).....40@40&5%
Ætna, Steel Japanned.....50&20%
Ætna, Steel Nickeled.....70&20%
Barnard's Lamp Trim'rs.₩ doz.$3.75
Clauss:
Nickel.....60%
Japanned.....70%
Davenport Cutlery Co.'s...60@60&10
Heinisch's:
St. Trimmers, etc...60&10&10@70%
Tailor's Shears..... 30&10@40%
Pruning.See Pr'ning H'ks & Shears.
Seymour's List, Dec., 1861. 60&10@60&10&10%
Wiss & Sons:
Japanned.....70%
Nickeled.....60%
Tailors' Shears.....50&10%
Tin Snips.....45%

Sheaves—

SLIDING DOOR—

Corbin's list.....60&10&5%
Hatfield's Pattern.....70&10@80%
M. W. Co., list July, 1882..50&10@60&5%
Stowell's Anti-Friction.....50%
Patent Roller.....60&10@60&10&5%
R. & E., list August 15, 1895. 60&10@60&10&5%
Russell's Anti-Friction, list Dec. 18, 1885 .....60&5%

SLIDING SHUTTER—

Reading list.....60%
R. & E. Mfg. Co.'s.....60@60&10%
Sargent's list.....60@60&10%

Shoes, Horse, Mule, &c.—

HORSE—

Bryden's Frog Pressure.....$4.00
Burden's, Perkins', Phœnix and Bryden's, from jobb'rs..$3.15@$3.40
Perkins Steel Side Weight Hind $3.15@$3 40
Perkins Improved Snow.....₩ ℔ 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ ℔ 9c
1000 ℔ lots.....₩ ℔ 9½c
500 ℔ lots.....₩ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

O. Ames & Sons:
O.S. Edge.....6@7½%
Pat. Cast Steel.....7½@10%
Blair's Cast Steel.....5%
Bouve's Steel 10%
Carter's Cast Steel.....5%
Sanderson's Cast Steel.....5%
Stone's Cast Steel.....6%
H. M. Myers and other manufacturers are now selling at Association discounts.

Shovels and Tongs—

Brass Head.....60&10@60&10&10%
Iron Head.....60&10@60&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $10@11.50

Skate Sharpeners—

Eureka...₩ doz. $1.75; ₩ gro. $18.00

Slaw Cutters—

Enterprise.....35%
Enterprise Mfg. Co.....35%
Tucker & Dorsey:
1 Knife.....₩ gro. $15.00@$18.00
2 Knives.....₩ gro. $20.0 @$27 00
Kraut Cutters.....50@50&10%
Woodrough & McParlin.....40%

Slicers—

Vegetable, Enterprise.....35%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Cockeye.....70&10%
Covert Mfg. Co.....45&20&5%
German, new list .40&10@40&10&10%
Fitch's (Bristol).....60%
Sargent's:
Patent Guarded.....70&10&10%
Covered Spring.....60&10%
Open Spring.....70@70&10%

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Covert Mfg. Co
Breast Strap Buckle Snaps
Breast Strap Protector....
Double for Bits or Trace Carrier.....
Loop Eye.....
Loop Eye, Swivel.....
Open Eye.....
Round Eye.....
Round Eye, Swivel.....
} 45&2% @50%
Covert Saddlery Works:
Banner.....60&20%
Triumph.....60&20%

Spoke Shaves—

Bailey's (Stanley R. & L. Co.) 50&10%
Iron.....⅌ doz. 5(&10%
Millers Falls.....15&10%
Seymour Smith & Sons, Iron.....30%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%
Wood.....⅌ doz. 25&10%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10@30%
B. B. Noyes Meat Forks..50&10@60%
Buffalo S. S. & Co.....33⅓&5%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Holmes & Edwards Silver Co..60%
L. Boardman & Son.....Catalogue "B"—net List
Meriden Brit. Co. Rogers Bros.40&15%
C. Rogers & Bros.....40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....60%
Simpson, Hall, Miller & Co.....60&5%

MISCELLANEOUS—

Boardman's:
Britannia Spoons, Catalogue "B".....net List.
Nickel Silver, Catalogue "B" net List
Britannia.....60&10%
German Silver.....60&10%
German Silver, Hall & Elton..50& 5% cash
Wm. Rogers Mfg. Co.:
12½ Rogers' German Silver...60&5%
22½ Rogers' Nickel Silver....50&5%
Rogers' Silver Metal.....50&10&5%

Springs—

See Door Springs.

Squares—

Disston Try Square and T Bevels. 60&10%
Starrett's Micrometer Caliper Squares.....25%
Try Square and T Bevels.60&10&5 @60&10&10%
Winterbottom's Try & Mitre.50&10%
Nickel-Plated..
Steel and Iron..
} 75&10@75&10&10%

Stair Rods—

Black Walnut.....60%
Brass, Oval or Hollow.....50%

Staples—

Barbed Blind—⅛, ⅜, and ¾ inch, ⅌ lb.....6c@6½c
Grand Crossing Tack Co. List: 75&10%

Stocks and Dies—

BLACKSMITH'S—

Butterfield's Goods.....35@40%
Gardner.....33⅓&10%
Lightning Screw Plate.....25%
Reece's New Screw Plates.....25@30%
Waterford Goods.....35@40%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stove.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March, '95.
2% cash. Market irregular and lower prices on some lines.
American Cut Tacks.....90&10%
Carpet Tacks:
American, Blued....90&10@90&20%
American, Tinned...90&2.@90&25%
Leathered.....60%
Steel.....90&30%
Swedes, Lanc.....85&10%
Swedes, S. S.....90&25%
Swedes Iron Tacks:
Lanc.....85&10%
S. S.....90&10&5%
Basket Tacks.....75&10%
Basket Nails.....80%
Bill Posters' and Railroad Tacks:
S. S.....90%
Brush Tacks and Nails.....75&15%
Chair Nails.....80%
Cigar Box Nails.....75%
Common and Patent Brads.....80%
Finishing Nails.....75%
Gimp Tacks:
Lanc.....80&20%
S. S.....90&15%
Hungarian Nails.....85&10&5%
Lace Tacks.....
Lanc.....80&20%
Looking Glass Tacks.....70%
Picture Frame Points.....70%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Trunk and Clout Nails:
Black.....80&5%
Tinned.....80&10&5%
Upholsterers' Tacks:
Lanc.....80&20%
S. S.....90&10%

MISCELLANEOUS—

Bill Nye Brad Box.....⅌ box $4.00
Bill Nye, Jr., Brad Box..⅌ box $2.00
Bonnie Blue.....⅌ box $1.50
Can Opener Carpet Tacks.⅌ gr $4.00
Dble. Point.90&10&10&10&10&10&10%
Hammer Carpet Tacks...⅌ gr. $4.50
Miniature Keg Tacks..66⅔&33⅓&& 10&10&2%
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓&& 10&2%

Tack Pullers—

Columbia, No. 1, per doz., net,....$1
" " 2, " " ...1.50
Little Jack.....⅌ dos. $1.40

Tapes, Measuring—

American.....40&10@50%
Chestermans.....30@3 &5%
Keuffel & Esser Co 25%
Lufkin's Steel and metallic..30&10%

Taps—

American Screw Co.
Machine Screw.....70%
Blacksmiths' Taper.....50&10@60%
Hand and Machine.....50&10@60%
Pipe.....80%

Telephones—

Union Electric Co.:
Letter A, Complete....each, $10.00
Letter B, for Warehouse..each, $8.50
F. o. b. cars Cleveland.

Tin, Perforated

Harrington & King Perforating Co.:
IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.50	$1.55
2	$9.00	$1.55
3	$8.25	$1.35
4	$7.75	$1.30
5	$7.50	$1.20
5½	$7.25	$1.20
6	$7.00	$1.15
7	$7.00	$1.10
8	$6.75	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&25%

Tobacco Cutters—

National Specialty Co.....30&5%

Trammel Points—

Backus and Union.....40%
C. E. Jennings & Co., "Eureka".25%
Cook's.....25%
Sargent's.....70&10@70&10&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Prentiss'.....30@35%

Tracks, &c.—

F. E. Myers & Bro.:
Comb. Car., Double Steel T...$3.50
Comb. Car., Wood Track....$3.25
Common 6 in. Wood Sheave Pulley, Fig. 433, ⅌ doz.....$1.65
D. H. Fork, Steel Regular, e'ch .75
Double Grapple Fork, each...$3.25
Double Rail Steel Track complete with clamps, ⅌ ft..... .09
Faultless Steel Frame K. P Pulley, Fig. 435, ⅌ doz.....$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ⅌ doz.$1.75
Floor Hooks, ¾ in. ⅌ doz. .65
Floor Pulley, Wood Sheave, Fig. 486, ⅌ doz.....$2.00
Hanging Hooks for Double Steel Track, ⅌ doz..... .60
Hanging Hooks for Single Steel Track, ⅌ doz..... .60
Hanging Hooks for Wood Track, 10 in. ⅌ doz..... .45
Hanging Hooks for Wood Track, 14 in., ⅌ doz..... .55
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ⅌ doz.$2.00
Malleable Rafter Brackets, ⅌ doz..... .45
Nellis Fork, each.....$1.50
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
New Myers Iron Rod Car.....$2.75
Reed Wood Frame Pulley with Hook, Fig. 434, ⅌ doz.. .....$2.25
Rev. Car., Double Steel Track $3.50
Rev. Car., Wood Track.....$3.25
Rope Hitch. ⅌ doz.....$1.75
Single rail Car, Single Steel T.$3.50
Single Rail Steel Track with clamps, ⅌ ft..... .09
Sprouts Shear Fork, each....$1.40
Steel Frame Pulley with Iron Sheave, Fig. 565, ⅌ doz.....$1.50
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Walker Fork, each.....$1.15
Wrought Rafter Brackets, ⅌ doz..... .45

Transom Lifters—

Ajax.....50&10@50&10&5%
Bronze Metal, with Safety Spg. 5@ 0&10%
Crescent.....7@7 &10%
Dicksons.....60%
Nickel Plated.....50&10%
Payson's Solid Grip, Nos. 2, 3 and 304.....⅌ 100, $12.00
Shaw's:
Copper Finished.....80&10%
Lever.....70@70&10%

Traps—

GAME—

Blake's Patent.....60@60&10%
Enterprise Mole.....15%
Newhouse.....40&10@50&5%
Oneida Pattern.....75&5@75&10%

MOUSE AND RAT—

Enterprise Mfg. Co., Mole.....15%
Erie Rat.....40@40&10%
Household.....⅌ gr $10.00
Hotchkiss:
Metallic Mouse.....⅌ doz. 65c
Improved Rat.....⅌ gross, $12.50
New Rat.....⅌ gross, $12.50
Mouse, Bonanza....⅌ doz 90c@$1.00
Mouse, Catch-'em-Alive ⅌ doz $2.50,15%
Mouse, Delusion.....40%
Mouse, Ideal.....⅌ gr $9.00
Mouse, Round Wire.⅌ dos $1.50, 10%
Mouse, Wood, Choker, ⅌ dos noles 10c@9c
Schuyler Rat Killer, No. 1 ⅌ gro., $18.50; No. 2 ⅌ gro., $15.00
Smith & Egge Mfg. Co:
Superior Rat Trap, ⅌ doz....$15.00
Yankee Mouse Trap, ⅌ doz.. $5.50
Yankee Rat Trap, ⅌ dos.....$11.00

FLY-

Balloon, ⅌ dos $1.25.....⅌ gr. $12.50
Electric Rod.....⅌ gr. $16.50
Globe.....⅌ doz., $1.25; ⅌ gr. $12.50
Harper....⅌ doz., $1.75; ⅌ gr. $16.50

Trowels—

Brade's Brick.....35@33⅓%
Disston's:
Brick.....30%
Plastering.....25%
Pointing.....30%
C. E. Jennings & Co.:
Brick.....30%
Plastering.....25%
Pointing.....30%
Wm. Johnson's:
Brick.....40%
Plastering.....40%
Pointing.....40%
W. & McP. Plastering....35@25&10%
Peace's Plastering.....25@25&5%
Richardson.....35@25&10%
"Rose" Brick Plastering and Moulders.....30@30& 10%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vegetable Slicers—

Enterprise Mfg. Co. 25%

Vises—

Solid Box.....50&10@60%

PARALLEL—

Alligator.....50%
Armstrong's:
Combination.....50%
Plain and Hinge.....60%
Athol, Oval Slide.....60&10%
Bonney's Champion.....45@45&10%
Fisher & Norris Double Screw15&10%
Holland's.....40@40&10%
Howard's.....40&10%
Little Giant Bench.....35&10&5%
Lowell Hand.....33⅓%
Massey's Quick Action .....30@35%
Merrill's.....20&15%
Millers Falls, Mechanics'...net@10%
Moore's.....20%
Parker's.....30@35%
Oval Slide.. .....50&10%
Victor.....30%
Prentiss.....20@25%
Sargents.....70&10%
Simpson's Adjustable.....50%
Stephens'.....30@35%
Trenton.....40&50@40&10%
Wilson'.....55%

SAW FILERS—

Bonney's Nos. 2 & 3, $15.00.....60%
Stearn's Com., No. 0, 1, 2, and 3..50%
Stearn's Rubber Jaw, Nos. 10 and 33.....33⅓%
Wentworth's.....35%

Wads—

See Ammunition.

Wagon Jacks—

Covert's Saddlery Works:
Victor.....60&20%
Daisy.....60&20%
Lane's Steel 30%

Washer Cutters—

Otis A. Smith's.....20&10&10%

Weather Strips—

Church's:
Axtell, Lacquered, 36 in. ⅌ doz. $5.00
Axtell, Lacquered, 42 in. ⅌ doz. $7.00
Axtell, Pol. Brass, 36 in. ⅌ doz. $12.00
Axtell, Pol. Brass, 42 in. ⅌ doz. $15.00

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ⅌ gross. $8.50@$12.00
American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft. $10.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
Americus, 93 Pen Whip, 6 ft., $6.00
Bull Bone, Half-l'gth Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
Eureka, Two-thirds Whalebone 5½ ft., $15.00; 6 ft., $16.50 6½ ft. $18.00; 7 ft., $20.00.
Gents' Light Driving, No. 111, 6 ft.....$6.00
Gents' Light Driving, No. 106, 6 ft.....$5.0
Hand-Made Stocked Java, No. 103.....5½ ft., $3.75; 6 ft., $4.0
Hardware Assortment 10 | American, 75 Whips for.....$50.00
New Name, Stocked Java, Black and Wine Colors.....6 ft., $3.00
Team Whips....⅌ doz $2.0 @$7.50
True Grip, Raw Hide Center, 4½ ft. $3.00; 5 ft., $3.00; 5½ ft., $3.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.

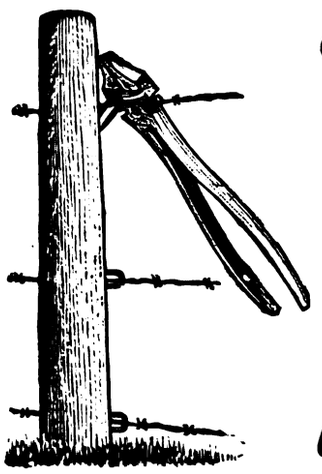
Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—

Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Brass Wire.....35%
Bright Wire Goods, Standard list 35&10@35&10&5%
Cast Steel Wire.....50%
Copper Wire.....45%
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&10%
Malin's Brass and Copper on Spools.....50&10%
Market Wire:
Brt. & Ann., Nos. 0 to 18..80@80&10%
Cop'd, Nos. 0 to 18, 75&10@75&10&5%
Galv., Nos. 0 to 18.75&10@75&10&5%
Tin'd, Tinned list Nos. 0 to 18.... 75&10@75&10&5%
Picture Wire.....New list 35&10%
Steel Music Wire, Nos. 13 to 30, Imported, ⅌ lb.....60@70c
Stub's Steel Wire.....$6.00 to $ 30%
Tate's Spooled Wire:
Annealed and Tinned.....60&10%
Copper and Brass.....50&10%
Tate's Wire Picture Cord Braided and Twisted.....35@10&10%
Tinned Broom Wire, Nos. 18 to 21, ⅌ lb.....4¾c
Wire Clothes Lines, see Lines.

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CRONK'S

Combination Fencing Plier.

This newly invented fencing tool is needed by all people that build or have occasion to remove or repair wire fence, as it is made with two staple pullers, two hammers and two button cutters. They are the same heft as the 1½ Maydole Hammer, and they are made of forged tool steel. No good farmer will be without one. They are warranted to cut No. 8 hard or No. 6 soft wire. Like the celebrated Cronk Plier they are fully warranted in all respects. No. 12, 11 in. long, $12.00. Dis. . . .

CRONK HANGER CO., ELMIRA, N. Y.

Wire Cloth, Netting, &c.—

Brass Cloth.....40@55%
Galvanized Wire Netting..80&10@80&20%
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.15@$1.20
Steel Bolting Wire Cloth.....30@55

Wire Rope—

List.
Cast-steel.....2d&2½&2½ cash
Iron.....20&2½&2½ casb
Iron, Galvanized..20&2½&2½ casb

Wire Rope Clips—

Crosby.....25%

Wire Stretchers—

W. C. Heller's Grip.....₩ doz. $1.50

Wrenches—

Acme:
Bright.....60@60&10%
Heavy.....50%
Nickel.....50&10@60%
Agricultural.....80@80&10%
Aiken's Pocket (Bright)..$2 00@3.20
Alligator.....60@60&10%
Always Ready.....35½&&50@40%
American Adjustable.....40@40&10%
Armstrong's.....40%
Baxter's.....65@65&10%
Bemis & Call's:
Brigg's Pattern.....30&10%
No. 2 Cylinder or Gas Pipe.....55%
No. 3 Pipe, Bright.....60%
Patent Combination Black.40&10%
Patent Coubination Bright.40&5%
Boardman's.....30@33½%
Champion Carriage.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
Coes':
Genuine.....40&10&5&5&3%
"Mechanics'".....40&10&10&5&5&3%
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Donohue's Engineer.....40&10%
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Girard Standard.....65&10@70%
Hall's Pipe.....50%
Hercules.....70&10@75%
Lamson & Sessions':
Engineers'.....60@30&10%
Standard.....70&10%
Lowell:
Lag Screw.....25%
Ratchet.....33½%
Socket Bridge.....20%
Stillson Pipe.....45%
Taylor Pipe and Nut.....40%
Trimo Combination.....40%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
J. H. Williams.....25%
Yankee.....45%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co., list May 1, 1894,
Lovell Mfg. Co., list July 2, 1894...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%
Peerless Mfg. Co., list Feb., 1892...2%
NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in barrels..₩ gallon.....40c
Linseed, City, Boiled, in barrels ₩ gallon.....42c
Out of Town on Spot..₩ gal.....40c
Calcutta, Raw, in bbls....₩ gal. 54c
Lard, Prime City.....₩ gal. 40@42c
Western, Prime.....40@41c
Extra, No. 1.....34@38c
No. 1.....30@32c

Paints and Colors—

Barytes, Foreign, ₩ ton, $15.00@$18.00
Barytes, American Floated, ₩ ton $22.00@$23.00
Barytes, American, No. 1, ₩ ton, $9.00@$10.00
White Lead, American, Dry, in Bbls. ₩ ₤.....7c
White Lead, American, in Oil, ₩ ₤.....5½@6c
White Lead, Foreign, in Oil, ₩ ₤ 6@7c
Litharge, Kegs, ₩ ₤.....5½@5½c
Zinc, American, Extra Dry, ₩ ₤ 3½@4½c

Putty—

In bbls. and half bbls.....1½@1¾
Putty in Bladders.....1½@2
Putty in Tins.....1½@2½

Spirits Turpentine—

In regular bbls.....28½@——c
In machine bbls.....2—@——c

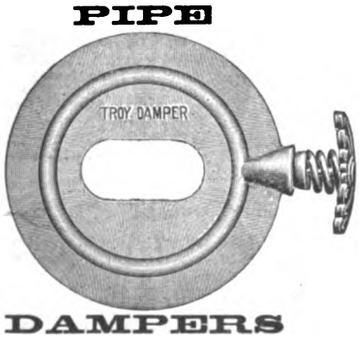
Dry Colors—

Blue, Chinese.....₩ ₤ 37 @40
Blue, Prussian.....₩ ₤ 30 @35
Blue, Ultramarine..₩ ₤ 8 @25
Sienna, Italian, burnt & powd red ₩ ₤ 2½@3½c
Sienna, Italian, raw & powdered...₩ ₤ 2½@2½c
Umber, Turkey, burnt.....₩ ₤ 2½@2½c
Umber, Turkey, raw.....₩ ₤ 2½@2½c
Green, Chrome, Common.....₩ ₤ 5 @12 c
Green, Paris, in bulk, ₩ ₤ 11 @12 c
Indian Red, American.....₩ ₤ 2 @3 c
Indian Red, English.....₩ ₤ 4½@8

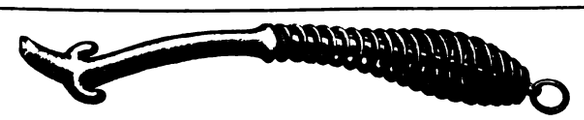
Colors in Oil—

Black Coach Japan ₩ ₤..18½@20
Black Coach Japan, in Oil.....₩ ₤ 12 @13 c
Black Drop.....₩ ₤ 7 @10 c
Black Lampblack...₩ ₤ 20 @33 c
Black Lampblack, common.....₩ ₤ 7@15 c
Blue, Chinese.....₩ ₤ 35 @40 c
Blue, Prussian.....₩ ₤ 20 @40 c
Blue, Ultramarine..₩ ₤ 12 @18 c
Brown, Sienna, bur't ₩ ₤ 7 @10 c
Brown, Sienna, raw. ₩ ₤ 7 @10 c
Umber, burnt.....₩ ₤ 7 @10 c
Umber raw.....₩ ₤ 7 @10 c
Brown, Vandyke....₩ ₤ 7 @12 c

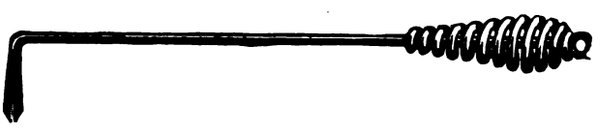
PIPE



DAMPERS



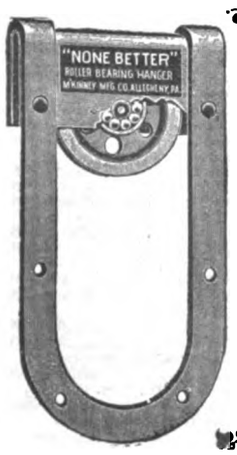
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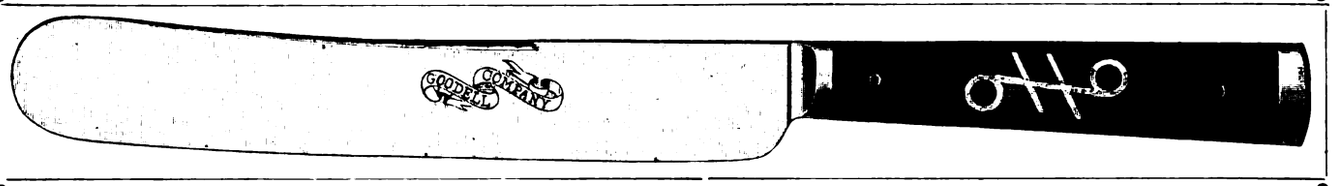
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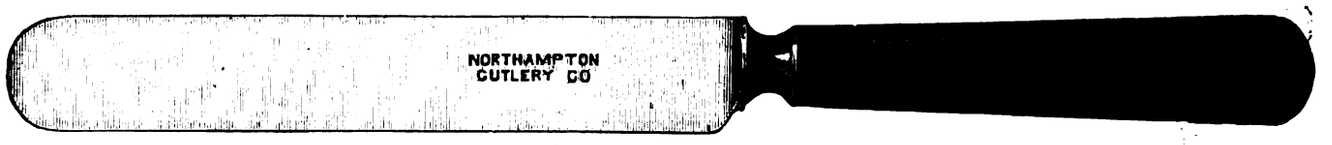


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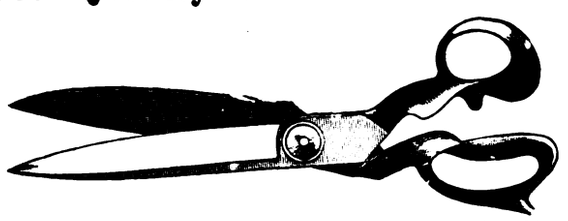
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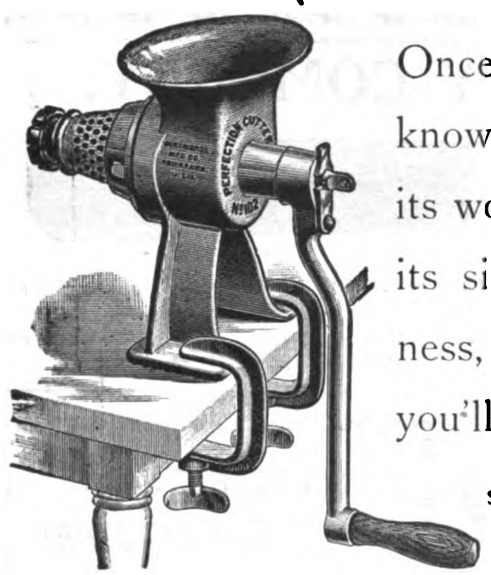
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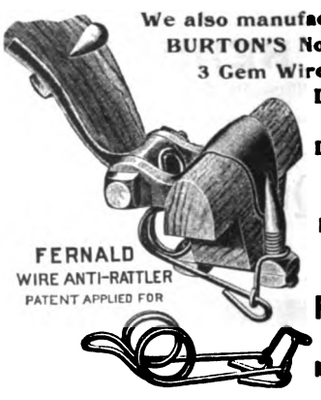
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Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading Pa.

Fronts for Buildings, Iron.
Stewart Iron Works, Cin'nati, O.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Fruit Presses.
Logan & Strobridge Iron Co., New Brighton, Pa.

Furnaces.
Union Heater Supply Co., Detroit, Mich.

Garden Tools.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
Underhill, Clinch & Co., New York.

Gaskets.
H. O. Canfield, Bridgeport, Conn.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.

Gas Stoves.
Monarch Stove Co., Mansfield, O.

Gate, Latch and Hinge.
Burr & Houston Co., Brooklyn. N. Y.

Gauge, Butt.
Stanley Rule & Level Co., New Britain, Conn.

Gears.
T. F. Welch & Co., Boston.

Generators.
W. H. Elliott Electric Co., Cleveland, Ohio.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.
J. D. Johnston, Newport, R. I.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grating, Iron.
Stewart Iron Works, Cin'nati, O.

Grindstones.
Cleveland Stone Co., Cleveland,

Gummers.
E. C. Atkins & Co., Indianapolis, Ind.

Gunpowder.
E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York.

Gun Implements.
Bridgeport Gun Implement Co., New York.
Hartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammers.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
Miner & Peck Mfg. Co., New Haven, Conn.
Arthur R. Robertson, Boston.
The Scranton & Co, New Haven, Conn.

Handles.
Berger Bros., Philadelphia.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
Geo. S. Parkes & Co., Nashville, Tenn.

Hangers, Coat and Hat.
Cronk Hanger Co., Elmira, N Y

Hangers, Door.
Darling, Brown & Sharpe, Providence, R. I.
Cronk Hanger Co., Elmira, N. Y.
John H. Graham & Co., New York
Lane Brothers, Poughkeepsie, N. Y.
McKinney Mfg. Co, Allegheny, Pa.
Stowell Mfg. & Fdry. Co. South Milwaukee, Wis.
Van Wagoner & Williams Hdwe. Co., New York and Cleveland.

Hardware Dealers, Agents, Etc.
Allerton, Clarke Co., New York.
E. F. Benson, Jr., Boston.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Arcade Mfg. Co., Freeport, Ill.
Berger Bros., Philadelphia.
Bruce & Cook, New York.
Buchel Brush Novelty Co., New Orleans, La.
R. Christensen, New York.
Enterprise Mfg. Co., Philadelphia.
Alfred Field & Co., New York.
Griswold Mfg Co., Erie, Pa.
Hammacher, Schlemmer & Co., New York.
Hastings & De Baun, New York.
T. W. Houchin, New York.
A. N. Jacob, New York.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
National Specialty Co., Philadelphia.
North Bros. Mfg. Co., Philadelphia.
Charles Morrill, New York.
Patterson, Harral & Gray, N. Y.
Pelouze Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.
Charles Weiland, New York.
T. F. Welch & Co., Boston.

Harness Snaps.
Covert Mfg. Co., West Troy, N. Y.

Hasps.
McKinney Mfg. Co., Allegheny, Pa.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
F. E. Myers & Bro., Ashland, Ohio.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Heaters.
C. R. Meres Heater Mfg. Co. Norwalk, O.

Hinges.
Bommer Bros., New York.
R. Christensen, New York.
Th. M. Rass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New York.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Hitching Posts.
Ohio Metal Co., Norwalk, Ohio.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
J. G. Speidel, Reading, Pa.

Horse Nails.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co. Neponset, Mass.

Hose Menders.
F. E. Kohler & Co., Canton, Ohio.

Hose Pipe.
F. E. Myers & Bro., Ashland, Ohio.
New York Belting & Packing Co., Ltd., New York.
Rossendale-Reddaway Belting & Hose Co., Newark, N. J.

Hose Reels.
Hartzell Novelty Works, Alliance, Ohio.

Hose, Rubber.
F. E. Myers & Bro., Ashland, Ohio.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Ice Tools.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
Logan & Strobridge Iron Co., New Brighton, Pa.
North Bros. Mfg. Co., Philadelphia.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Ink.
Barnes National Ink Co., New York and Philadelphia.

Insurance.
Mutual Life Insurance Co. New York.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Jail Work.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Japanning.
C. H. Angus, Albany, N. Y.

Kraut Cutter.
National Saw Co., Newark, N. J.

Ladders.
Bicycle Step Ladder Co., Chicago.
F. E. Myers & Bro., Ashland, Ohio.

Lamps.
John H. Graham & Co., New York.
Ohio Electric Works, Cleveland, Ohio.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lanterns.
Buhl Stamping Co., Detroit, Mich.

Lathes.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.

Lathing, Metallic.
George Hayes, New York.

Lawn Fountains.
E. T. Barnum, Detroit, Mich.
F. E. Kohler & Co., Canton, Ohio.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
F. E. Kohler & Co., Canton, Ohio.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
F. E. Kohler & Co., Canton, Ohio.

Lead.
Bruce & Cook, New York.
Colwell Lead Co. New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Lemon Squeezers.
Berger Bro., Philadelphia.
John H. Graham & Co., New York.
Logan & Strobridge Iron Co., New Brighton, Pa.
John Sommer's Son, Newark, N. J.

Levels.
Tower & Lyon, New York.

Locks and Knobs.
Allerton, Clarke Co., New York.
Ames Sword Co., Boston.
Brass Goods Mfg. Co., Brooklyn, N. Y.

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Champion Safety Lock Co., Cleveland, O.
Alfred Field & Co., New York.
W. & E. T. Fitch Co., New Haven, Conn.
John H. Graham & Co., New York.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York and New Haven, Conn.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Machinery.
A. Adamson, Akron, Ohio.
Athol Machine Co., Athol, Mass.
Crescent Emery Mills Co., Oscawana, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Seneca Falls Mfg. Co., Seneca Falls, N. Y.
The Scranton & Co., New Haven, Conn.
Vieillard & Osswald, Brooklyn, N. Y
J. K. Williams, Akron, Ohio.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y
T. F. Welch & Co., Boston.

Mail Boxes.
W. C. Heller & Co., Montclair, N. J.

Mallets.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Bruce & Cook, New York.

Manger Boxes.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Markers.
Fulton Stamp Works, New York.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.
North Bros. Mfg. Co., Philadelphia.

Mechanical Rubber Goods.
New York Belting & Packing Co., Ltd., New York.

Metal Ceilings.
Canton Steel Roofing Co., Canton, Ohio.
S. Keighley & Co., Pittsburg, Pa.

Metal Patterns, Work, etc.
C. H. Angus, Albany, N. Y.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
Joseph Dixon Crucible Co., Jersey City, N. J.
John Chatillon & Sons, New York.
Meyers' Puts Pomade Co., Boston.

Milk Cans.
Buhl Stamping Co., Detroit, Mich.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Mirrors, Window.
Bayer & Co., Philadelphia.

Model Making.
Schwerdtle & Siebert, Bridgeport, Conn.
T. F. Welch & Co., Boston.

Mops.
Matchless Mop Wringer Co., Canton, Ohio.

Mop Wringers.
Matchless Mop Wringer Co., Canton, Ohio.

Motors.
W. H. Elliott Electric Co., Cleveland, Ohio.

Moulds.
A. Adamson, Akron, Ohio.
Schwerdtle & Siebert, Bridgeport, Conn.
J. K. Williams, Akron, Ohio.

Mucilage.
Barnes National Ink Co., New York and Philadelphia.

Nails.
Bruce & Cook, New York.
Fuller Bros. & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
Rockford Tack Co., Rockford, Ill.
Salem Wire Nail Co., Salem, O.
Chas. J. Stebbins, New York.

Nail Pullers.
The Scranton & Co., New Haven, Conn.

Nail Sets.
John H. Graham & Co., New York.
Storm Mfg. Co., Newark, N. J.

Needles.
Alfred Field & Co., New York.

Nippers.
Alfred Field & Co., New York,
Charles Morrill, New York.

Office Railings.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cups.
Kendrick Valve & Washer Co., Syracuse, N. Y.

Oilers.
Cushman & Denison, New York.
Tower & Lyon, New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Iron Work.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O.

Ovens.
Monarch Stove Co., Mansfield, O.
Union Heater Supply Co., Detroit, Mich.

Packing.
Gould Packing Co., East Cambridge, Mass.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Canton Steel Roofing Co., Canton, Ohio.
William Connors, Troy, N. Y.
Jos. Dixon Crucible Co., Jersey City, N. J.

Patent Solicitors
Dyer & Driscoll, New York.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Cutters.
Armstrong Mfg. Co., Bridgeport, Conn.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
C. E Jenn'ngs & Co., New York.
Stanley Rule & Level Co., New Britain, Conn.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Pleasure Wheels.
Strobel Mfg. Co., Marion, Ohio.

Pliers.
Cronk Hanger Co., Elmira, N. Y.
Alfred Field & Co., New York.

Poles.
Geo. S. Parkes & Co., Nashville, Tenn.

Police Equipments.
Tower & Lyon, New York.

Polish.
John Chatillon & Sons, New York.
Joseph Dixon Crucible Co., Jersey City, N. J.
Meyers' Puts Pomade Co., Boston,
J. L. Prescott & Co., New York.

Post Hole Diggers.
John H. Graham & Co., New York.
F. E. Kohler & Co., Canton, Ohio.

Poultry Netting.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.

Power Hammers.
The Scranton & Co., New Haven, Conn.

Power Presses.
Vieillard & Osswald, Brooklyn, N. Y.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Vieillard & Osswald, Brooklyn, N. Y.

Prismatic Sidewalks.
Stewart Iron Works, Cin'nati, O.

Pulleys.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
F. E. Myers & Bro., Ashland, Ohio.
Ney Mfg. Co., Canton, Ohio.

Pumps.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Chase Pump & Mfg. Co., Columbus, Ohio.
John H. Graham & Co., New York.
F. E. Myers & Bro., Ashland, O.
Pittsburgh Pump Co., Pittsburgh, Pa.
St. Joseph Pump Mfg. Co., St. Joseph, Mo.
Union Heater Supply Co., Detroit, Mich.

Punches.
Alfred Field & Co., New York.
F. J. Mattison, New York.
Charles Morrill, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Radiator Deflectors.
J. Rutherford & Son, Akron, Ohio.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Stewart Iron Works, Cin'nati, O.

Rails, Barn Door.
McKinney Mfg. Co., Allegheny, Pa.

Raisin Seeders.
Enterprise Mfg. Co., Philadelphia.

Rakes.
John H. Graham & Co., New York.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
Underhill, Clinch & Co., N. Y.

Ranges.
Monarch Stove Co., Mansfield, O.
Taplin, Rice & Co., Akron, Ohio.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
P. J. Conroy & Co., Philadelphia.

Reels.
Hartzell Novelty Works, Alliance, Ohio.

Registers.
Stowell Mfg. & Fdry. Co., So. Milwaukee, Wis.

Repairing Outfits.
Root Bros. Co., Plymouth, Ohio.

Rivets.
Bruce & Cook, New York.

Rollers.
Fulton Machine Co., Canal Fulton, O.

Roller Skates.
Tower & Lyon, New York,
Union Hardware Co., Torrington Conn., and New York.

Roofing and Roofers' Supplies.
Berger Bros., Philadelphia.
L. D. Berger, Philadelphia.
Canton Steel Roofing Co., Canton, Ohio,

Roof Trusses, Iron.
Stewart Iron Works, Cin'nati, O.

Rubber Belting.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rules.
Athol Machine Co. Athol, Mass.
Darling, Brown & Sharpe, Providence, R. I.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Safe Deposit Companies.
National Safe Deposit Co., N. Y.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Tower & Lyon, New York.

Sash Cord.
Samson Cordage Works, Boston.
Tower & Lyon, New York.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
W. & E. T. Fitch Co., New Haven, Conn.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
O. E. Jennings & Co., New York.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Sets.
E. C. Atkins & Co., Indianapolis, Ind.
Alfred Field & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
Charles Morrill, New York.

Saw Tools.
E. C. Atkins & Co., Indianapolis, Ind.

Scales.
John Chatillon & Sons, New York.
North Bros. Mfg. Co., Philadelphia.
Pelouze Scale & Mfg. Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scrapers, Wheel.
Sidney Steel Scraper Co., Sidney, O.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co. Georgetown, Conn, New York Chicago.
A. J. Phillips Co., Fenton, Mich.

Screw Cutting Tools.
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
John H. Graham & Co., New York.
Tower & Lyon, New York.
Tuck Mfg. Co., Brockton, Mass.

Screw Plates.
Alfred Field & Co., New York.

Shade Lines.
Samson Cordage Works, Boston.

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Shafts.
Geo. S. Parkes & Co., Nashville, Tenn.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
Seymour Cutlery Co., Holyoke, Mass.
J. Wiss & Sons, Newark, N. J.

Sheaves.
Boston & Lockport Block Co., Boston and Lockport, N. Y.

Sheet Brass.
Waterbury Brass Co., New York.

Sheet Steel.
Dunbar Bros., Bristol, Conn.

Shelf Boxes.
W. C. Heller & Co., Montclair, N. J.
Henry H. Sheip & Co., Philadelphia.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.

Shovels.
Underhill, Clinch & Co., N. Y.

Sign and Price Markers.
Fulton Stamp Works, New York.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Single Tube Tires.
New York Belting & Packing Co., New York.

Sink Cleaners.
John W. Sudlow, Brooklyn, N. Y.

Skates.
John H. Graham & Co., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Skylights.
George Hayes, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Smoke Pipe Registers.
Ferrosteel Co., Cleveland, Ohio.

Solder.
Bruce & Cook, New York.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Spokes.
Geo. S. Parkes & Co., Nashville, Tenn.

Spoke Shaves.
Alfred Field & Co., New York.
Stanley Rule & Level Co., New Britain, Conn.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
Dunbar Bros., Bristol, Conn.
Miller & Van Winkle Co., Brooklyn, N. Y.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Stairs, Iron.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O

Stamps.
Schwerdtle & Siebert, Bridgeport, Conn.

Staples.
Salem Wire Nail Co., Salem, Ohio

Statuary.
E. T. Barnum, Detroit, Mich.

Steel Goods.
Canton Steel Roofing Co., Canton, Ohio.
Finished Steel Co., Youngstown, O.

Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Stencils.
Schwerdtle & Siebert, Bridgeport, Conn.

Step Ladders.
Bicycle Step Ladder Co., Chicago.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Alfred Field & Co., New York.
Holroyd & Co., Waterford, N. Y.
F. E Myers & Bro., Ashland, Ohio.

Store Fixtures.
Hartzell Novelty Works, Alliance, Ohio.

Stoves.
T. W. Houchin, New York.
Monarch Stove Co., Mansfield, O.
Taplin, Rice & Co., Akron, Ohio.

Stove Mittens.
Diamond Hardware Co., Boston.
Paras & Paras, Troy, N. Y.

Stove Polish.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.
Logan & Strobridge Iron Co., New Brighton, Pa.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co.' Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Structural Iron Work.
Stewart Iron Works, Cin'nati, O.

Tackle Blocks.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Ney Mfg. Co. Canton, Ohio.
Union Hardware Co., Torrington Conn

Tacks.
Rockford Tack Co., Rockford, Ill.

Tack Pullers.
Alfred Field & Co., New York.
Higgins Mfg. Co., Boston.
Knapp & Pratt Mfg. Co., Geneva, Ohio.

Tailors' Irons.
Union Heater Supply Co, Detroit, Mich.

Tape Measures.
Alfred Field & Co., New York.
Waterbury Brass Co., New York.

Taps and Dies.
Holroyd & Co., Waterford, N. Y.

Targets.
Cleveland Target Co., Cleveland, Ohio.

Tiling.
New York Belting & Packing Co., Ltd, New York.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tires Rubber.
New York Belting & Packing Co., New York.

Toilet Paper.
A. P. W. Paper Co., Albany, N. Y.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Detroit Twist Drill Co., Detroit, Mich.
Alfred Field & Co., New York.
Hammacher, Schlemmer & Co. New York.
Th. M. Hass, New York.
Holroyd & Co., Waterford, N. Y.
C. E. Jennings & Co, New York.
Standard Tool Co., Cleveland, O.
Stanley Rule & Level Co., New Britain Conn.
Tuck Mfg. Co, Brockton, Mass.
Underhill, Clinch & Co., New York.
Whitman & Barnes Mfg. Co., New York, Cincinnati, Chicago, Kansas City.

Traps.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
John H. Graham & Co., New York.
Smith & Egge Mfg. Co., Bridgeport, Ct.

Trowels.
E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Sons, Philadelphia.
Alfred Field & Co., New York.
C. E. Jennings & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
National Saw Co., Newark, N. J.

Trucks, Store.
Boston & Lockport Block Co., Lockport, N. Y.
John Chatillon & Sons, New York.
John H. Graham & Co., New York.
Sidney Steel Scraper Co., Sidney, Ohio.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Tubing.
New York Belting & Packing Co., Ltd., New York.
Pope Tube Co., Hartford, Conn.

Valves.
Berger Bros., Philadelphia.
Kendrick Valve & Washer Co., Syracuse, N. Y.
F. E. Myers & Bro., Ashland, Ohio.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Varnishes.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scotland.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
Alfred Field & Co, New York.
Howard Iron Works, Buffalo, N. Y.
Tower & Lyon, New York.
Van Wagoner & Williams Hardware Co., New York.

Wagon Jacks.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Lane Brothers, Poughkeepsie, N. Y.

Wagon Umbrellas.
Sprague Umbrella Co., Norwalk, Ohio.

Washers.
Kendrick Valve & Washer Co. Syracuse, N. Y.

Washing Machines.
W. S. Harrison & Co., Massillon, Ohio.
Strobel Mfg. Co., Marion, Ohio.

Watchman's Clocks.
E. O. Hausburg, New York.
E. Imhauser, New York.
Nanz & Co., New York.

Wax Tapers and Torches.
T. W. Houchin, New York.
Union Heater Supply Co., Detroit, Mich.

Wheelbarrows.
Akron Cultivator Co., Akron, O.
Arnold Metal Wheel Co., New London, Ohio.
Bryan Mfg. Co., Bryan, Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Sidney Steel Scraper Co., Sidney, Ohio.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.

Window Screens.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
John H. Graham & Co., New York.
A. J. Phillips Co., Fenton, Mich.

Window Stop Adjusters.
Taplin Mfg. Co., Forrestville, Ct.

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Bruce & Cook, New York.
Dunbar Bros., Bristol, Conn.
Gilbert & Bennett Mfg. Co., New York and Chicago.
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Salem Wire Nail Co., Salem, Ohio.
The Malin & Co., Cleveland, Ohio.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

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Gilbert & Bennett Mfg. Co., New York and Chicago.
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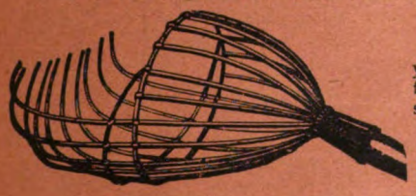
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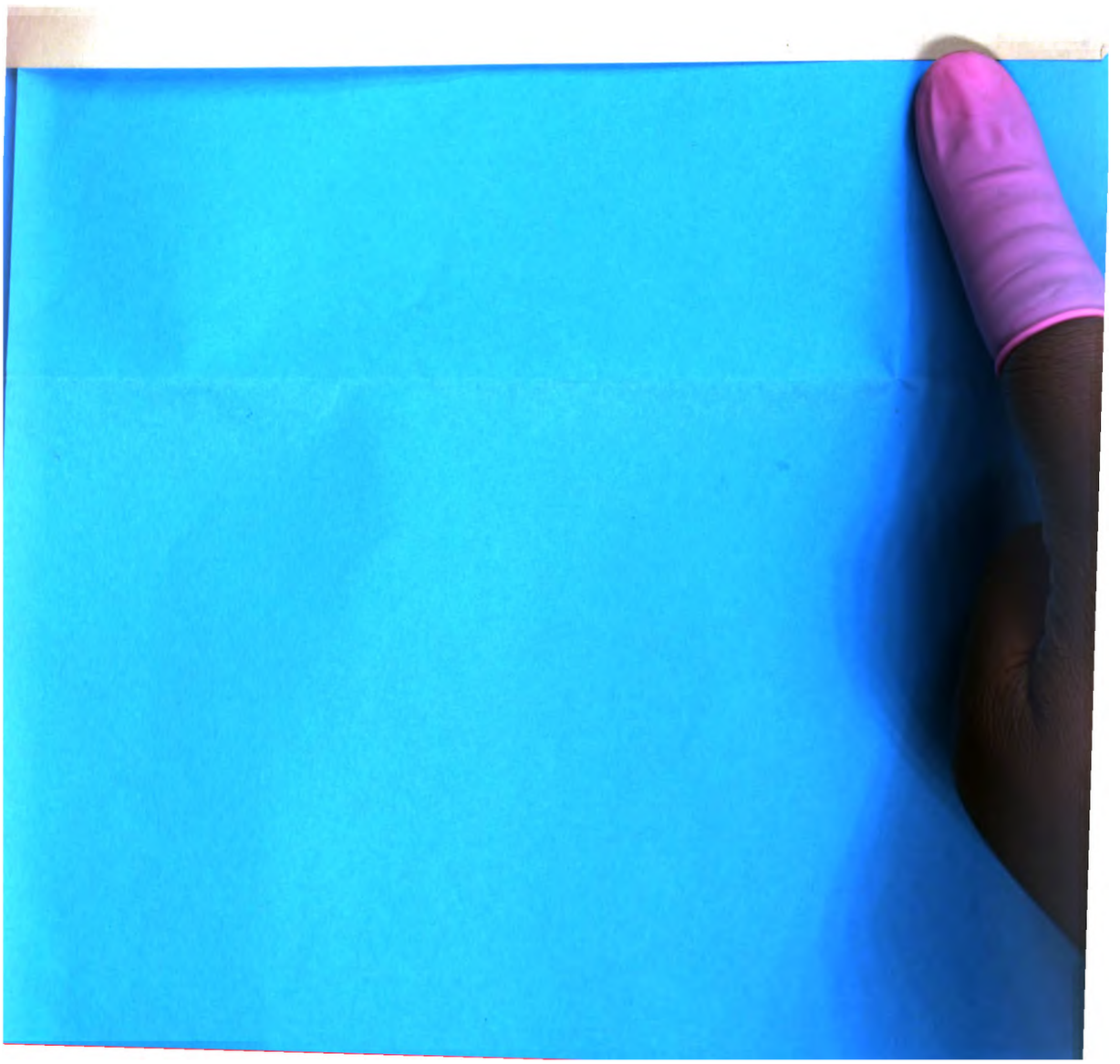


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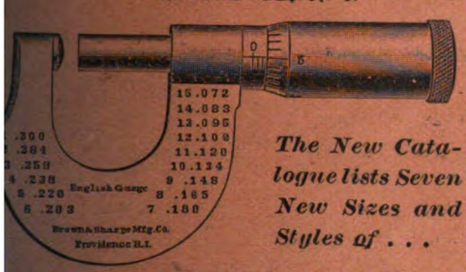
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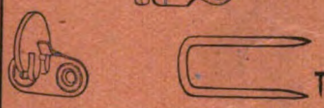
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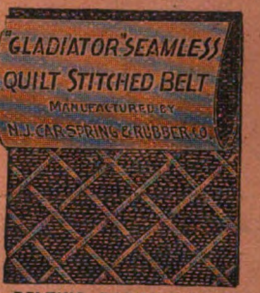
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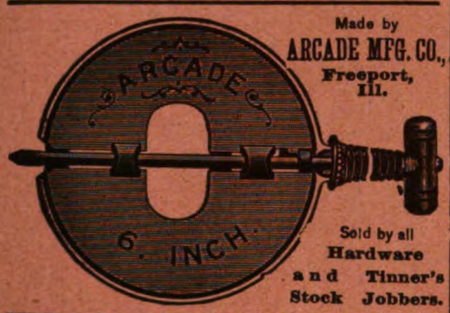
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Manufacturer of Flat, Coiled and Wire
Steel Springs of Every Description.

SEND SAMPLE FOR PRICES.

BRISTOL, - - CONN.

I do the leading business in this city in both
Buying and Selling

JOB LOTS

of Hardware, Cutlery, and House-furnishing Goods. . . . .

MANUFACTURERS who have lines of any size or description which they want to sell for Spot Cash, should write me.

Buyers can also save money by asking for my prices, catalogues, etc. . . . .

CHARLES WEILAND,
149 CHAMBERS ST., NEW YORK.

STEEL STAMPS AND DIES,
STENCILS, NOTARY, LODGE AND CORPORATION
SEALS.

CHECKS, BADGES, MACHINERY PLATES.



Burning Brands, Brass Signs, Brass Labels, Models and Moulds for Casting WHITE METAL.

SCHWERDTLE & SIEBERT,
35 Fairfield Ave., BRIDGEPORT, CONN.

LANE'S
PATENT STEEL BARN
DOOR HANGER.



ANTI-FRICTION.
MOST COMPLETE IN CONSTRUCTION.
MATERIAL THE BEST.
NO BREAKAGE.

Ease of Movement. Always in Order.

LANE'S Patent Noiseless Steel Parlor Door Hanger.



Hanger is made of steel throughout, including wheel, except interior filling which deadens the sound.

Single Steel Track Instead of Double Wood Rail.

Ask Your Hardware Dealer and send for Circular.

—MANUFACTURED BY—

LANE BROTHERS, Poughkeepsie, N.Y.

ESTEY WIRE WORKS CO.,

NO. 65 FULTON ST., N. Y.

MANUFACTURERS OF

WIRE CLOTH and WIRE WORK

Of Brass, Copper, Iron, Galvanized and Steel Wire of all meshes and grades. For Mining, Milling, and all other purposes. Locomotive Spark Wire Cloth, &c.

For Bank, Office and Counter Railings Wickets, Grills, etc., in Brass Bronze, Oxidized and other effects Elevator Enclosures &c.

Coal and Sand Screens, Riddles for Export and Foundry Use. Galvanized Twist Netting, Wire Window Screens, &c.

High Grade
Buffing Wheels,

Large variety, adapted to every class of work.

Patent Sewed Buffs.

The finest in the world.

We are the largest manufacturers of Buffs in the United States. . .

Write for Catalogue and prices.

DIVINE BROTHERS,
UTICA, N. Y.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE
COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

-:-SEND FOR CATALOGUE.-:-

STAND'D HEAD 8



Ausable Horse Nail Co.,

10 MURRAY STREET, NEW YORK.
THE ORIGINATORS OF

Hot Forged AND Hammer Pointed Nails

IMITATING THE

Old Fashioned Hand Process.

FAC-SIMILE OF AUSABLE BOX AND BRAND.



Genuine Ausable Nails are packed in boxes bearing their FULL NAME and Trade Mark.

LIGHT HEAD 8





WITH THIS SCREW LADIES CAN DRAW TIGHT CORKS EASILY.

WILLIAMSON'S
HAND POWER CORK SCREW,

Pulls the Cork out of the Bottle.

DIRECTIONS FOR USE:
KEEP ON TURNING, DO NOT PULL.

No. 7042, Bronze Cup, Maple Handle $3.00 per doz.
No. 8042, Nickel Cup, Maple Handle $3.50 per doz.

For Discounts and other Styles send for Catalogue.

C. T. WILLIAMSON WIRE NOVELTY CO.,
NEWARK, N. J.
Manufacturers of Wire Specialties for the Trade.

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Best Crucible File Steel; Hard, Thorough Temper;
Sharp, Strong Teeth; Durable and Uniform.

Standard of America

NICHOLSON



FILES

NICHOLSON FILE CO.,
PROVIDENCE, R. I., U. S. A.
LARGEST PRODUCERS IN THE WORLD.



For 30 Years.

CHAS. J. STEBBINS.

NAILS

103 Reade Street.
NEW YORK.

Iron & Steel Cut Nails

STEEL WIRE NAILS.

A Large Stock Constantly on hand for Immediate Shipment.

E. I. Du PONT, De NEMOURS & CO.,

WILMINGTON, DELAWARE.

GUNPOWDER.

Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

Du Pont's Eagle Ducking.
Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

Du Pont's Choke Bore.
Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

Du Pont's Rifle.
For general shooting, either in muzzle or breech loaders.

"V. G. P." NEW TRAP POWDER. "V. G. P."
A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

Du Pont's Smokeless Powder.
Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

MILITARY POWDER and GUN COTTON
Of a quality to meet requirements of U. S. Army and Navy.

MINING AND BLASTING POWDER.

—Send Postal for Illustrated Catalogue.—

Meyers' Putz Cream Liquid Metal Polish



Unsurpassed for imparting a brilliant polish to

Brass Signs, Railings, Show Cases, Nickel Plate, Bicycles, Tin, Copper Ware, and Household Articles.

TRY IT

It is particularly valuable for

Harness and Door Trimmings

As it leaves no stains or discolorations. Samples, advertising matter and electrotypes gratis.

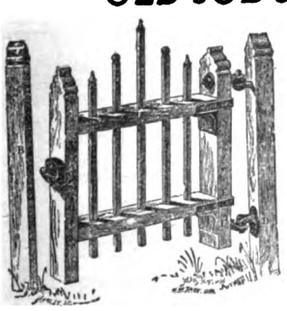
Prices and Sizes:

¼ pint cans	(2 doz. in case)	$1.80	per doz.
½ "	3 " "	3.00	"
1 "	2 " "	6.00	"
1 quart can	2 " "	10 80	"
½ gal. "	.....	18.00	"
1 " "	.....	36.00	"

Order as originally packed and get best discounts.

MEYERS' PUTZ POMADE CO., 285 Devonshire St., BOSTON, MASS.

"OLD JOB JOHNSON'S."



The Best Gate,
Latch and Hinge
EVER MADE.

The Years Have Proved Their Value

Their One Fault :—
They Won't Wear Out!

Simple, Durable and Cheap. Arranged to work without any spring, on its own Automatic principles. Send for descriptive circular and prices. . . . . .

Manufactured by The Burr & Houston Co.,
33 to 39 Franklin Street, - - - BROOKLYN, N Y.

1897

COLUMBIA BICYCLES

STANDARD OF THE WORLD. $75.00 TO ALL ALIKE.

We don't guess or take for granted - the mechanical features of Columbia Bicycles are all proved.

1896 Columbia's $60.

HARTFORD'S, Second only to Columbia's, $50, $45, $40, $30.

Nothing in the market approaches the value of these bicycles. . . .

POPE MFG. CO., - Hartford, Conn.

Catalogue free from any Columbia dealer, by mail for one 2-cent stamp.

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OUR FAMILY CASE OF TOILET PAPER

SHOULD BE IN THE STOCK OF ALL HARDWARE DEALERS

3000 SHEET ROLLS. SATIN FINISH FINEST QUALITY.

A.P.W. PAPER CO ALBANY, N.Y.

RETAILS FOR $1.00 PER CASE.

Sidney Steel Scraper Co.,

MANUFACTURERS OF



Drag and Wheel Scrapers, Wheelbarrows and Trucks.

WRITE FOR PRICES AND CATALOGUE.

924 Poplar Street, Sidney, Ohio.

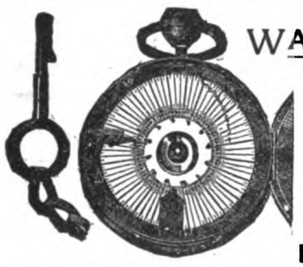
Do You Want Something Made?

My Specialty is to Manufacture for Other Parties.

Reasonable arrangements can be made. WRITE ME TO-DAY.

C. H. Angus, . Albany, N. Y.

Mfr. of Castings; Nickel and Brass Plating, Metal Pattern Maker, etc.



HAHN'S LATEST IMPROVED

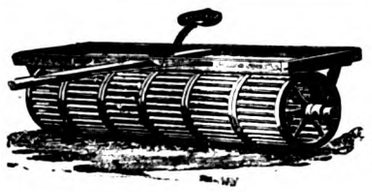
WATCHMANS' TIME DETECTOR,

WITH SAFETY LOCK ATTACHMENT.

Highest Award at Columbian Exposition.

This Clock is neat, thoroughly reliable and very durable. Cannot be tampered with. Price moderate. Is adapted for six or twelve stations, having a different key for each. Registering is done by number from 1 to 6 and 1 to 12, each station having its number. No chance for a fraudulent record here. Old style detectors mark by holes or an impression on dial, the same for all stations. Allowance made for old Detectors. Send for circulars, prices and further particulars.

NANZ & CO., 116 CHAMBERS STREET, NEW YORK.



Cyclone Pulverizer.

The Greatest Seller known. Actually Sells on Sight. The only Pulverizer sent on approval and trial. See it and you will sell it. . . . See also our IRON KING and LEADER STEEL ROLLER. Best line of Rollers made.

The Fulton Machine Co., Sta. B, Canal Fulton, O.



The Latest and Best Hanger on the Market.

Write for Prices.

STOWELL MFG. & FDRY. CO.,

SUCCESSORS TO

Moore Mfg. & Fdry. Co.,

South Milwaukee, Wis.

PLEASED with RESULTS.

John N. Hager, Fort Atkinson, Wis. [*Fork, Shovel, Rake and Hoe Brackets*]: Am well pleased with the results of my advertisement in HARDWARE.

Just what we have wanted.

A STRONG MORTAR, ASH, SAND and COAL Barrow

AT A LOW PRICE. Ship us Six Dozen.

COPY OF AN ORDER JUST RECEIVED.

Bryan Manufacturing Co.,

Bryan, Ohio, U. S. A.



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Disston's Superior Files.

The Steel used in these Files is manufactured by our own steel works. They are cut by skilled mechanics on our own improved machinery, hardened by a special process which insures an even temper.

Each File is carefully inspected before leaving the factory.

We Guarantee the quality of our Files to be equal to that of our Saws. . . . . .

IF YOU CANNOT BE SUPPLIED WRITE US.

Highest Award given our Files wherever exhibited

Henry Disston & Sons, Incorporated,

Philadelphia, Pa.

TRUCKS OF ALL KINDS.
A. ADAMSON
MACHINIST.
Corner Exchange and Water Streets,
AKRON, OHIO.

General Machine Work, Molds for Bicycle Tires, Air Goods, Druggists' Sundries, Matrices for Hard Rubber Goods, Die Sinking. Hydraulic Presses, Special Machinery, etc. Estimates cheerfully given. Correspondence solicited. Work promptly done.

Rubber Machinery

DIXON'S
Carpenters' Pencils
DIXON'S
Lumbermens' Crayons

Are salable goods for any Hardware Dealer and carry with them a good profit.

Have you our new Production Catalogue? It is sent free of charge.

Jos. Dixon Crucible Co., Jersey City, N. J.

WAGON UMBRELLAS and BUGGY CANOPIES.

Everything in that line.
Our motto: "Keep a-goin'."
Especial attention invited to

Sprague's Patent Giant Frame Wagon Umbrella.

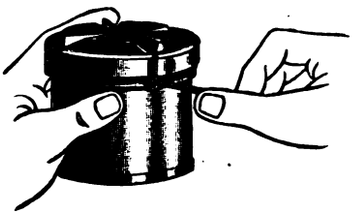
It is the Strongest Umbrella on the globe.
Write to us, and let us prove it.

SPRAGUE UMBRELLA CO.,
Norwalk, Ohio.



THE FINISHED STEEL CO
YOUNGSTOWN, OHIO
MFR'S OF **POLISHED SHAFTING**

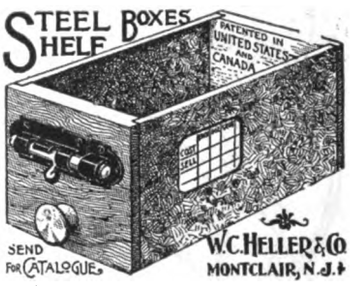
It Doesn't Burn off.



Gillespie's Elastic Iron Enamel is practically indestructible, and is unequalled for use on Stove Pipes, Registers, Grates, Locomotive Smoke Stacks, etc. This is the season of the year when its sale in pint and half-pint cans to the household trade is enormous.

Your stock is not complete without it. Write for jobbers' special discount, and send us a sample order.

Chas. H. Gillespie & Sons,
Varnish Makers, 125 to 137 Dey St.
Jersey City, N. J. Established 1824.



ECONOMIZE.

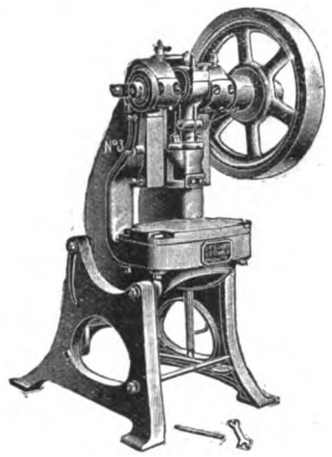
SHELF BOXES { MADE TO ORDER. ESTIMATES FURNISHED.

HENRY H. SHEIP & CO.,
Columbia Ave. and Randolph St.,
PHILADELPHIA.

"Replies From All Sections."

McIntosh-Huntington Co., Cleveland, Ohio. [*General Hardware and Bicycles*]: As an advertising medium, we have recently had occasion to test HARDWARE in a manner that would give us some idea as to how successful it can be used. Our advertisement did not occupy a very prominent position, but was of a character to excite the cupidity of the reader. We found that within two days after your paper came out, we commenced to receive replies from all sections of the country to the advertisement. This would seem to be sufficient proof that yours is a good medium.

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VIEILLARD & OSSWALD,

Manufacturers of

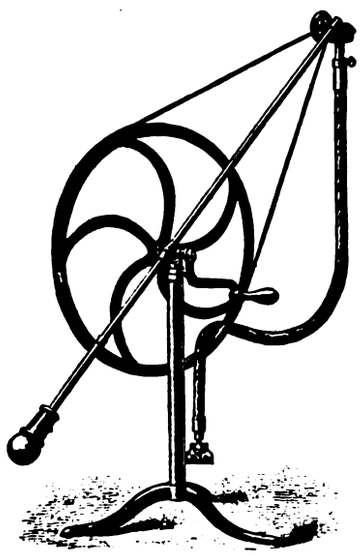
PRESSES AND DIES AND SPECIAL MACHINERY

FOR THE WORKING OF SHEET METAL

Dies for Sheet Steel Stampings a Specialty.

708-710 Jamaica Avenue, BROOKLYN, N. Y., U. S. A.

WRITE FOR PRICES.



OVER 2000 MACHINES SOLD IN SIX MONTHS.

1000 Machines and 10,000 Cutters in Stock.

Highest Prize at World's Fair. The original and only absolutely flexible shaft on the market. . . . . .

ADVANCE ORDER FOR

3000 IN EUROPE ALONE.

. . CATALOGUE SENT FREE TO ALL . .

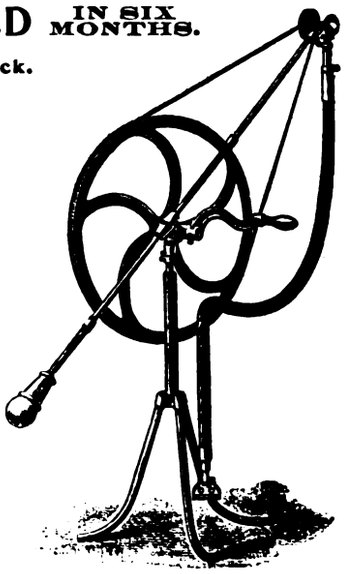
SHOWING OUR DIFFERENT STYLES OF

Steam, Electric, Foot & Hand Power

HORSE CLIPPING MACHINES.

Gillette Clipping Machine Co.,

110, 112 & 114 West 32nd St., New York.





STEEL DOOR HANGERS.

WRITE FOR PRICES ON

No. 1 Special and No. 2 Standard.

THEY WILL INTEREST YOU.

Also Track and Stay Rollers.

McKINNEY MFG. CO., - Allegheny, Pa.

NICKEL PLATING

LACQUERS,
CYANIDE POTASH,
NICKEL SALTS.

ESTAB. 1820. INCOR. 1881.
THE HANSON & VAN WINKLE CO.
OFFICE NEWARK, AND WORKS N.J., U.S.A.
NEWYORK. CHICAGO.

TRIPOLI,
ROUGE,
BUFFS, & C.

OUTFITS

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It Leads them all. . .

Our '78 Apple Parer is known everywhere as the Standard parer. Other celebrated parers are:

'72 Apple Parers,
"Baldwin" Apple Parers,
"Advance" Parer, Corer and Slicer.

NEW YORK PHILADELPHIA CHICAGO.



ATHOL MACHINE CO.,
Athol, Mass., U. S. A.
Manufacturers of
Vises, Meat Choppers,
Mechanics' Fine Tools, &c.
Send For Catalogue.

UNDERHILL, CLINCH & CO.,
94 CHAMBERS STREET, NEW YORK.

We carry in stock 126 sizes and kinds of

SHOVELS, SPADES AND SCOOPS



MANUFACTURED BY

Oliver Ames & Sons Corporation.

Send for our Shovel Catalogue showing goods carried in stock.

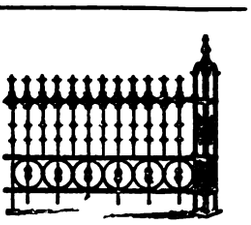


"The Safety Weather Strip" FOR USE ON
ALL OUTSIDE DOORS.
THEY PREVENT
Rain, Snow and Wind
FROM BLOWING UNDER THE DOOR.
WE WANT AN AGENT IN EVERY CITY AND COUNTY.
Manufactured by The Novelty Mfg. Co.,
Office, 40 E. Fifth Street, Canton, Ohio.

WE WANT AGENTS TO SELL OUR IRON FENCE

We furnish first-class work at prices that bring the trade. Write for Catalogues, Prices and Terms

The Stewart Iron Works,
CINCINNATI, O.
Manuf'rs of Iron Fence, Jails, Architectural and Ornamental Iron Work.





FLOWER-POT STANDS
OF ALL KINDS.
SEND FOR CATALOGUE.

Iron Fencing, Entrance Gates,

FIRE ESCAPES, JAIL CELLS, ROOF CRESTING, BANK and OFFICE RAILINGS, GRILLES,



AND ALL KINDS OF WIRE & IRON WORK.

E. T. BARNUM, DETROIT, MICH.
Agents Wanted Mention this paper.

FAMILY GRINDSTONES.

Great Reduction in Prices.

If you have not received our revised price list write for it.

The Cleveland Stone Co.,
Cleveland, O.

Hardware Dealers Send us your address and we will mail Catalogue and discount sheet of STOCKS AND DIES, TAPS, etc.



Holroyd & Co.,
Waterford, N. Y.

"WE ARE RECEIVING GOOD RESULTS."

Clayton & Lambert Mfg. Co., Ypsilanti, Mich. [*Gasoline Fire Pots and Paint Burners.*] We are receiving good results from the advertisement which is running in your paper, and bel eve the service which you are g ing us, is extra good. We trust that our relationship for the coming year will be as pleasant and profitable as have those of the past, and feel very confident that it will.

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"EVERYTHING IS COMING UP."

BUSINESS IS BETTER AND THERE WILL BE A LARGER DEMAND THAN EVER FOR OUR

Sheep Skin Mitten.



Acknowledged to be the best article for polishing stoves, as it does away with the old time dirtiness of the work, making this work a pleasure. Also invaluable for polishing brass or glass, or silverware, which it does not scratch. For tan shoes and cleaning bicycles it has demonstrated itself a conspicuous success.

Diamond Hardware Co.,

624 Atlantic Ave., Boston, Mass.



PIPE and GUTTER.

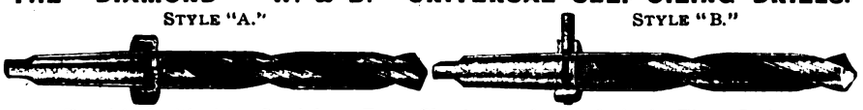
Extra large stock of galvanized corrugated pipe and slip joint gutter always on hand. Special sizes or copper stock made to order on short notice. . . . .

Write for Prices.

Berger Bros., Philadelphia, Pa.

THE "DIAMOND" 'W. & B." UNIVERSAL SELF-OILING DRILLS.

STYLE "A." STYLE "B."



Furnished with either Straight or Taper Shanks, any length desired. Three Styles.

Send for Descriptive Matter and Special Discounts. MANUFACTURED ONLY BY

THE WHITMAN & BARNES MANUFACTURING CO.,

NEW YORK, N Y. CINCINNATI, OHIO. CHICAGO, ILL. KANSAS CITY, MO.



We can furnish you with

Staple Goods.

Such as Wire Nails, Fence Staples, Plain and Galvanized Smooth Wire, Painted and Galvanized Barbed Wire.

THE SALEM WIRE NAIL CO., Salem, Ohio.

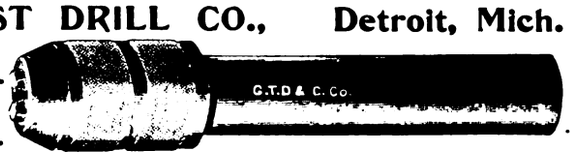
New York Office, 277 Broadway.

DETROIT TWIST DRILL CO., Detroit, Mich.

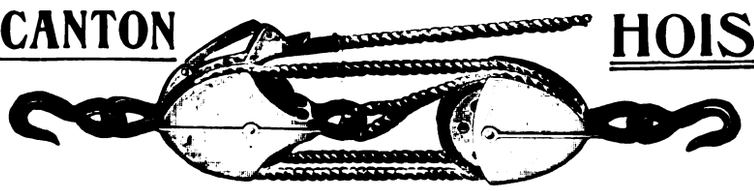
Sole Manufacturers of

Graham Grooved Shank System of Chucks and Drills.

. . . SEND FOR CATALOGUE.



The CANTON HOIST



Can be used perpendicularly, horizontally, and at any angle. . . .

In factories of all kinds, foundries, quarries, mills and warehouses; also by contractors, carpenters, stone masons and all classes of mechanics. Manufactured by

THE NEY MFG. CO., CANTON, OHIO.

New Stamped Metal Sash Lock,

In Cold Rolled Steel, Bronze and Brass. In all the Popular Finishes.

LOCKS OPEN. LOCKS CLOSED.



The Ives Patent Sash Locks,

Have acknowledged superiority for the complete manner in which they perform the work they are intended to do. . . .

PATENTED AND PATENTS PENDING.

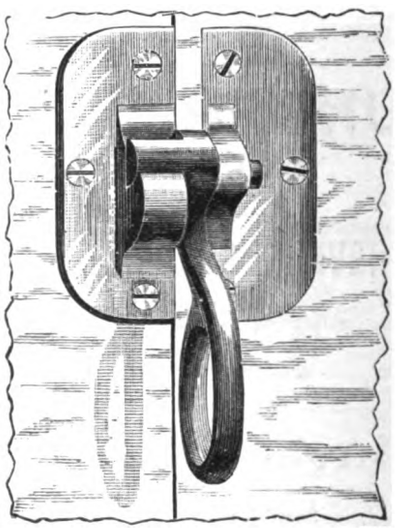
MANUFACTURED BY

HOBART B. IVES & CO.,

New Haven, Conn.

The CONROY PATENT Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

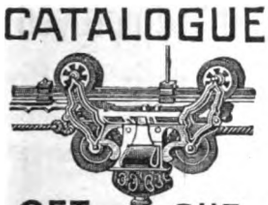
P. J. CONROY,

Beware of Infringements. Paschall, Phila.

"NO BETTER MEDIUM."

U. S. Mfg. Co., Fond du Lac, Wis. [*Cyclometers, Lamp Brackets.*]: Manufacturers of bicycles and bicycle sundries find their best customers among the Hardware trade. To reach this trade, we know of no better advertising medium than HARDWARE. Our adververtising in HARDWARE has been of an effective character.

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CATALOGUE FREE

GET OUR REDUCED PRICES



MYERS

WELL TANK & SPRAY PUMPS

HAY CARRIERS, FORKS, PULLEYS &c.



F. E. MYERS & BRO.

ASHLAND, OHIO.

FOLGER.CIN.

BRUCE & COOK,

TIN PLATES AND METALS,

186, 188 and 190 Water St.,
248 and 250 Pearl St., **NEW YORK.**

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



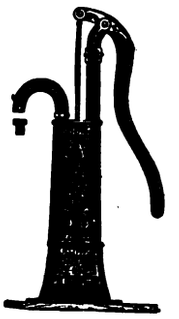
Mancer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

. . . THE . . .

CHASE PUMP & MFG. CO.,

Manufacturers of the Most Complete Line of

DOUBLE-ACTING FORCE LIFT and WIND MILL PUMPS



On the Market.

The ONLY Pump with ALUMINUM VALVE SEAT.

Write for Catalogue and Prices.

THE CHASE PUMP & MFG. CO.,

Mention this paper. COLUMBUS, OHIO.

BRANCH HOUSES:

SCOBIE & PARKER, Pittsburg, Pa.
PARLIN & ORENDORFF CO., St. Louis, Mo.



PITTSBURGH PUMP CO.

MANUFACTURERS OF ALL KINDS OF

FORCE LIFT SPRAY TANK **PUMPS**

SEND FOR CATALOGUE

322 LIBERTY ST. PITTSBURGH PA.

Catalogues Wanted. . .

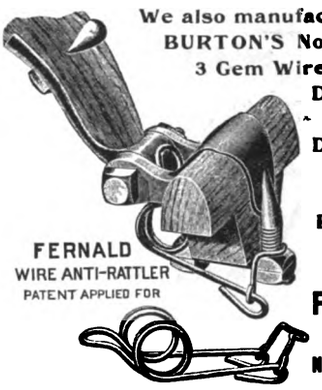
Wanted Manufacturers and Jobbers to send Catalogues of different lines of goods with best quantity, prices and terms. We close out jobs of all kinds FOR CASH. Send samples for approval. We handle big lines of 5 and 10 cent goods. . . . . .

WM. KLINE, New Orleans, La.

PROPRIETOR OF

Boston Twentieth Century Store.

Kline's Strictly 5 and 10 Cent Store.



We also manufacture the BURTON'S No. 1, 2 and 3 Gem Wire and Wire Drive Anti-Rattlers, Dandy Clothes Rack, and BECKER'S Game Traps.

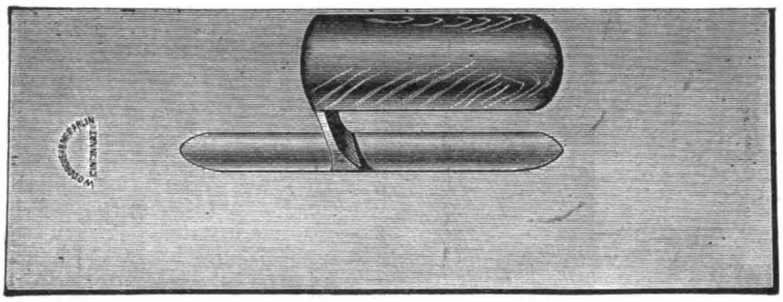
Fernald Mfg. Co., NORTH EAST, PA.

COULD NOT KEEP HOUSE WITHOUT IT.

Sickels, Preston & Nutting Co., Davenport, Iowa. [*Wholesale Hardware*]: We would not know how to keep house without HARDWARE. The review of the Hardware markets, trade reports and editorials are frequently read before letters are opened that are received in the same mail with HARDWARE.

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"There Are Others," But not the Genuine, ALL Imitations.

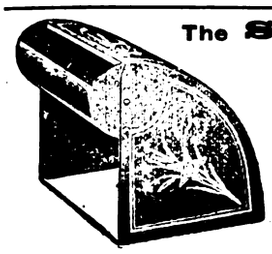


THE ONLY ORIGINAL

WOODROUGH & McPARLIN (CINCINNATI) PLASTERING TROWEL

——IS MFD. BY——

The National Saw Co., General Office: NEWARK, N. J.



The STAR DEFLECTOR

——SUPERIOR TO ALL OTHERS.

Used on Hot Air Furnaces and Radiators. Handsome, Simple, Durable. In moistening the atmosphere it overcomes the only objection to using Hot Air Furnaces. . . .

Manufactured only by

J. RUTHERFORD & SON,

133 S. Main Street, - - - - AKRON, OHIO.



STOVE LID LIFTERS

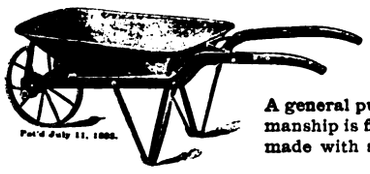
30 KINDS.

COPPERED, TINNED, NICKEL PLATED.

. . . WE MAKE TONS OF THEM. . . .

LOGAN & STROBRIDGE IRON CO., New Brighton, Pa.

ALL STEEL BARROWS Except Handles.



For Coal, Ashes, Cinders, etc.

A general purpose barrow. Capacity of tray, 4 cubic feet. The workmanship is first class in every respect; all riveted together. But wheels made with self-oiling boxes. Make your orders now for 1897.

THE ARNOLD METAL WHEEL CO., - - New London, Ohio.

J. K. WILLIAMS, MACHINE SHOP.

210 CHERRY STREET, AKRON, OHIO.

Special Machinery

Estimates made on all kinds of Special Machinery, Boiler Tube Expanders, Bicycle Tire Moulds, Moulds for all kinds of Rubber Goods, Hangers, Shafting, Clay Working Machinery, etc. Write for Estimates. . . . . .

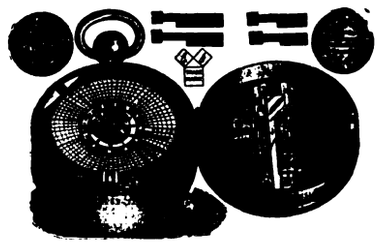
Malin Spool Wire

FOR RETAIL TRADE



THE MALIN & CO. CLEVELAND, O.

Watchman's Improved Time Detectors



12 and 24 different Keys, with Safety Lock Attachments. U. S. Patents, 1875-76-77. Re-Issue, 1880. Trade Marks 1881, 1882.

1876. Highest Award and Medal of Honor at the Centennial Exhibition, for Portability, Security, and general adaptation for purposes intended.

1877, 78, 79. Medals for Excellence and Superiority at the American Institute.

1881. Award at the International Cotton Exposition in Atlanta.

1883. At the National Exposition for Railway Appliances at Chicago, the only Medal for the most Complete and Perfect Instrument.

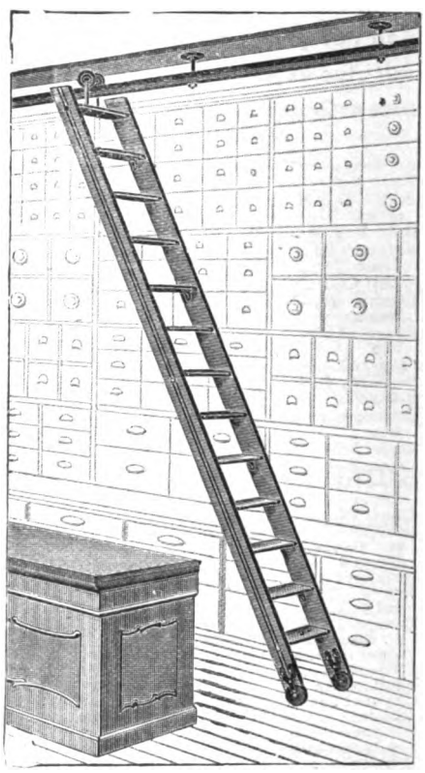
This Watchman's Time Detector contains all the modern improvements. The only perfect instrument in the market. Warranted in every way. It cannot be tampered with successfully.

E. IMHAUSER,

206 Broadway, New York.

The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

AGENCIES:

Eastern Agent, H N. YOUNGS, 308 W. 22nd Street, New York City.
New York and vicinity, E J. HUSSEY & Co., 80 John Street, New York City.
California, JOHN WOODLOCK, 26 Beale Street, San Francisco, Cal
Northwestern States, HOWE SCALE Co., Portland Oregon.
Texas and Southwest, ED. FOY, Dallas, Tex.

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A GOOD THING.

IT'S IN THE TEETH.

The Patent "REFORM" Curry Comb is composed of three shallow, oval trays, with corrugated edges. The parts are struck up from a fine grade of cold rolled steel, heavily tinned and bronze lacquered, firmly riveted together and warranted not to rust. The outer dimensions are 6½x4¼ inches and by reason of the large cleaning surface and peculiar arrangement of teeth, the comb will do its work with a large saving of time and labor, cleaning with equal thoroughness both long and short coats. There are no places to accumulate hair and it will not tear or injure the brush, the comb being quickly freed from accumulation by giving its face a gentle tap.

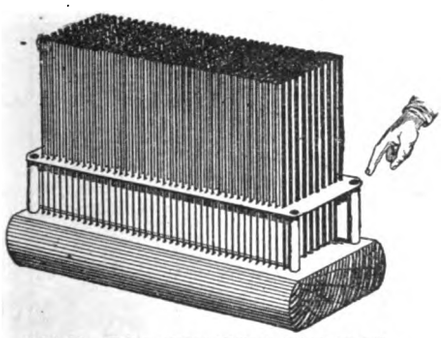


NEW YORK STAMPING CO.,

SOLE MANUFACTURERS,

North Eleventh and Berry Sts., BROOKLYN--GREATER NEW YORK

"IRON CLAD."



ALL MACHINE MADE.

SEE

THIS STRUCTURE? WHAT'S IT FOR?

Well, it gives surprising durability!

Our goods are Guaranteed unsurpassed in Durability, Workmanship, Material.

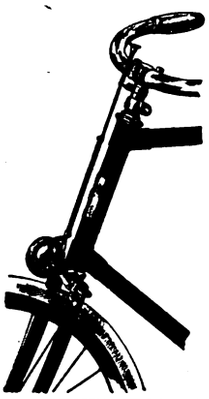
Their elegance attracts the eye at once.

. . . *FOR FOUNDRIES, PAINTERS, ROOFERS, ETC.* .

SATISFACTION GUARANTEED OR MONEY BACK.

THE BUCHEL BRUSH NOVELTY CO.,

Mention "HARDWARE." NEW ORLEANS, LA.



"The SUCCESS OF THE PHILADELPHIA SHOW" . . .

WAS THE

OSTERMAN BICYCLE BELL.

Rings loud and clear like an electric bell.
The faster the speed the sharper the alarm.
Rings on the slightest pressure of the button.
Needs no care.
Never wears out
Quickly adjusted to any wheel.
Strong, Simple.

AGENTS WANTED IN EVERY TOWN.

MADE ONLY BY

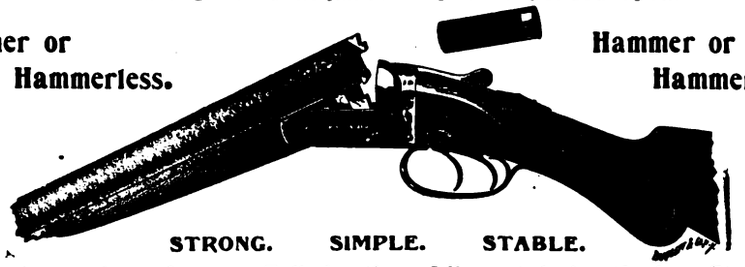
JOSEPH OSTERMAN & CO.,

4411 Main St., MANAYUNK, PA.

REMINGTON SHOT GUNS

Are the invaluable result of 80 years of mechanical experience Knowledge thus acquired may be depended upon.

Hammer or Hammerless.



Hammer or Hammerless.

STRONG. SIMPLE. STABLE.

You need a good gun for your Fall shooting. Why not derive the benefit of this knowledge at a reasonable price? Send for complete catalogue.

THE REMINGTON ARMS CO.,

313-315 Broadway, New York. ILION, N. Y.

HORSESHOE MAGNET HAMMER

—WARRANTED—



Fitted with long handles. A specialty for bill posters and traveling advertisers; also useful in other trades.

Superior to any magnetic tool heretofore made.

ARTHUR R. ROBERTSON, Patentee and Sole Manufacturer,

185 Summer Street, Boston, Mass.

THE "SPARK" '97 MODEL

An up-to-date machine. List, $60.

ONE WHEEL. Best Grade. ONE PRICE, $60.

If you have a first-class store put in a first class wheel for your leader. THE "SPARK" will fill the bill. Address

CANTON CYCLE MFG. CO.,

Canton, Ohio.



Well Worth It.

I. B. Bolles, Wareham, Mass. [*Hardware and Farming tools*]: Enclosed find check for $1 for HARDWARE for the year 1897. We think it is well worth it. . . . . .

B. G. I. Hand Loading Outfits

Are guaranteed to give absolutely correct measurements. . .



In three sizes for 25, 50 or 100 Shells. . . .

Send for new and complete Catalogue just out.

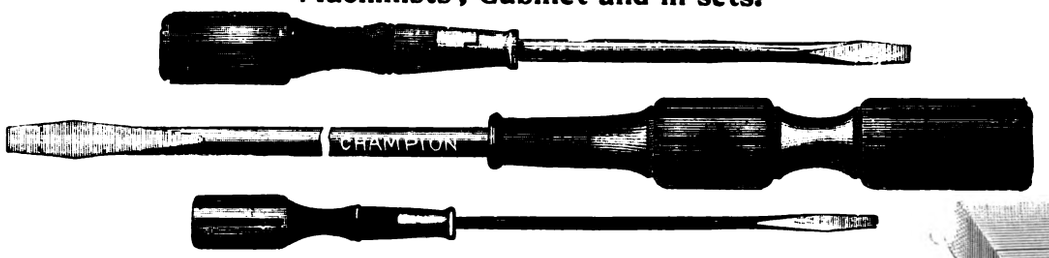
The Bridgeport Gun Implement Co., *313-315 Broadway, New York City.*

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CARPENTERS AND MACHINISTS' TOOLS.

TOWER'S CHAMPION SCREW DRIVERS.

Machinists', Cabinet and in sets.

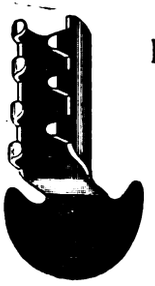


See that the word "CHAMPION" is on each Screw Driver.

There are plenty of imitations to deceive.

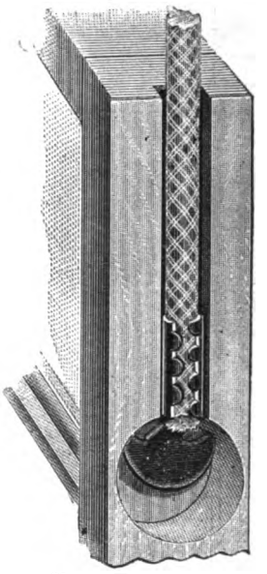
STEPHENS' PAT. VISES.





PHILLIPS'

Sash Cord,
Sash Weight,
Sash Chain
and
Sash Ribbon
Fasteners.



Shows Fastener in use.

TOWER & LYON,

95 CHAMBERS and 77 READE STS.,

MANUFACTURERS . . .

NEW YORK.

PADLOCKS, POLICE GOODS, ETC.

ICE SKATES.



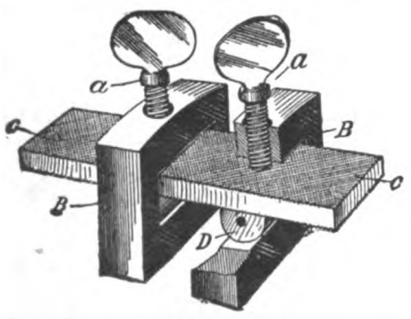
UNION HARDWARE CO.'S RACING SKATE,
CALLED THE
DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener

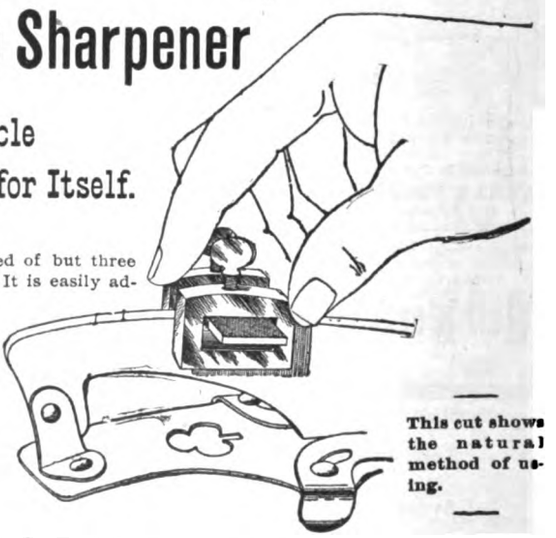
A New and Useful Article Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

——MANUFACTURED BY——

UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. **Torrington, Conn.**

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MORRILL'S Perfect Saw Sets.

BENCH STOPS.

UNIVERSAL PUNCHES.

TRADE MARK

CAR SEALERS.

CUTTING NIPPERS.

This Trade Mark is stamped on all Saw Sets and other Hardware Specialties of my make.

CHARLES MORRILL, 35 Warren Street, New York.

E. C. Atkins & Co.,



Indianapolis, Ind.

THE ORIGINAL

TUTTLE TOOTH.

The best saw in the world for the money. Fine Steel. Patent Temper. Why not supply your trade with the best saws, and buy the Atkins Brands? They're the best.

BRANCH HOUSES:

Memphis, Tenn. - Chattanooga, Tenn
Minneapolis, Minn.

Write for Price List and Trade Price.

MFRS. OF

CIRCULAR, BAND, CROSS-CUT AND HAND

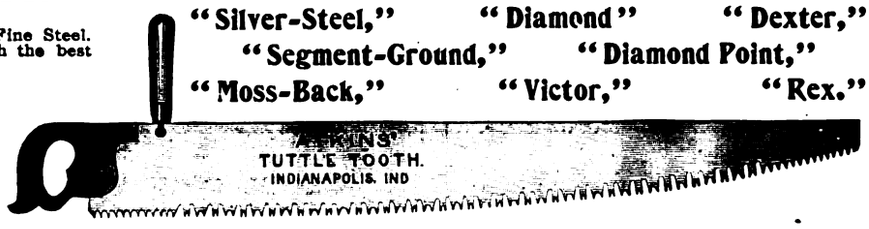
SAWS.

OUR REGISTERED TRADE MARKS

CROSS-CUT SAWS

ARE

"Silver-Steel," "Diamond" "Dexter,"
"Segment-Ground," "Diamond Point,"
"Moss-Back," "Victor," "Rex."



The Matchless Mop Wringer Co.,

A mop, wringer and pail at a price that will sell.

See current price list for the trade.

Discounts to Jobbers.

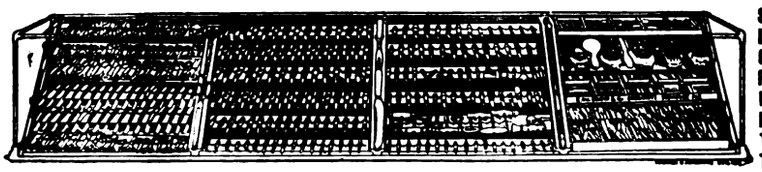
Canton, Oh o.

Send for Circular.



"DAILY FEEL THE BENEFIT."

Energy Mfg. Co., Philadelphia, Pa. [Dumb-waiters]: We daily feel the benefit of our card in your columns.



STILL IN THE LEAD, AND CONTINUE TO RECEIVE HIGHEST PRAISES THROUGHOUT THE WORLD.

All styles Show Cases and Trays. Also Trays made to fit your own Cases. Each Tray slides in and out. Brilliant display. Quick sales.

Campbell's Practical Sliding Display Trays, Pat. Dec. 1, '91.

Write us. Manufactured only by **CAMPBELL CUTLERY CO., Syracuse, N. Y., U. S. A.**

FRANK W. GILBERT, Prest. O. C. EDWARDS, Treas.

Crescent Emery Mills Co.

MANUFACTURERS OF

EMERY & ABRASIVE MATERIALS.

EMERY WHEELS.
GRINDING MACHINERY.

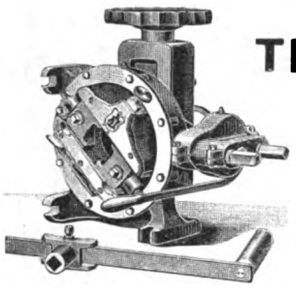
OSCAWANA, N. Y.

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Your Stock Is Not Complete

Without a line of

The ARMSTRONG



New No. 0. Threading Machine.

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS and DIES, WRENCHES, PIPE VISES, PIPE CUTTERS, CLAMP DOGS.

THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



The Armstrong Mfg. Co., Bridgeport, Conn.

——NEW YORK OFFICE: 139 CENTRE STREET.——

In Our Line of



Elevators and Hoists

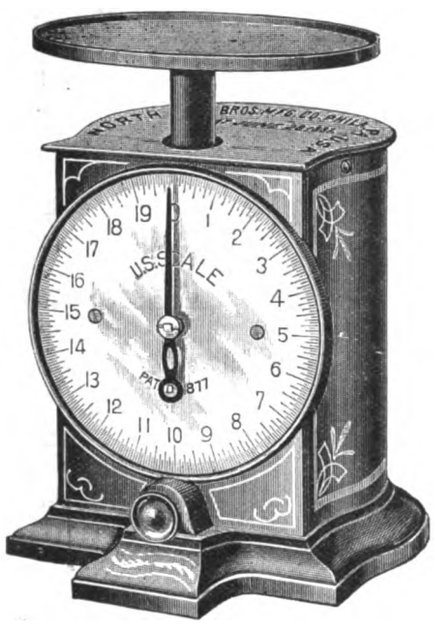
We have a Hand Elevator especially adapted for use in stores, warehouses, etc., and we are sole manufacturers of

The Philadelphia Dumbwaiter.

Send for catalogue. . .

Energy Manufacturing Co.,

411 Cherry Street,
PHILADELPHIA, PA.



U. S. DIAL SCALES

WILL BE WANTED DURING SEASON FOR CANNING AND PRESERVING, TO WEIGH FRUIT, SUGAR, ETC.

HAVE YOU THEM IN STOCK?

USEFUL IN KITCHEN, ALL THE YEAR ROUND.

FOR WEIGHING ALL SORTS OF THINGS.

Manufactured by

North Bros. Mfg. Co., Philadelphia, Pa.

New York Agents: John H. Graham & Co., 113 Chambers St.

The Columbia Safety Self-Retaining

DUMB WAITERS,

ELEVATORS,
Cellar Lifts
... AND ...
SPEIDEL'S ECONOMIC SAFETY HOISTS.



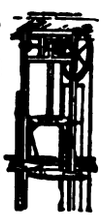
If you haven't tried the **Columbia Dumb Waiters** give them a trial. It will cost you nothing, as you can return them if not satisfactory.

SEND FOR CATALOGUE AND PRICES.

J. G. SPEIDEL, Patentee and mfr., **Reading, Pa.**

Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs, Ia.
No. 1013 Ninth Street.

Dumb Waiters..... that don't keep you waiting.

Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.



L. COES'

Genuine Improved
KNIFE HANDLE
PATENT

Screw Wrenches.

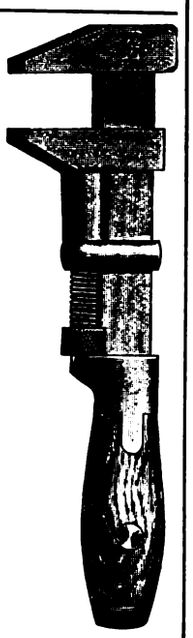
MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839.
Registered April 9, 1895.

Patented Dec. 15, 1891.
Patented April 30, 1895.



Sectional View Illustrates our New Knife Handle, showing Manner of Construction.

☞ Straight Bar, Extra Long Nut for Screw in Jaw. ☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.
JOHN H. GRAHAM & CO. } New York Agents.

WILL CONTINUE TO USE HARDWARE.

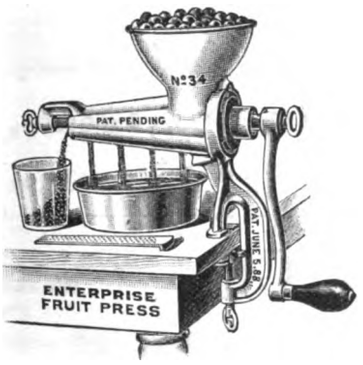
Monarch Cycle Mfg. Co., Chicago, Ill. [*Bicycles*]: We used HARDWARE last year quite extensively, and as soon as we have our arrangements completed for next season's business, we will continue to use your publication to reach the Hardware trade. We have no hesitation in saying that HARDWARE is one of the best mediums of its class, and the services rendered us by your publication have been entirely satisfactory.

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ENTERPRISE

Fruit, Wine and Jelly Press

TINNED



No. 34, $3.00

Raisin and Grape Seeder

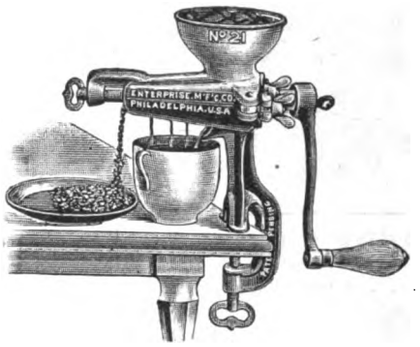
TINNED



No. 36, $10.00 per dozen
No. 38, 30.00 per dozen

Meat Juice Extractor

TINNED



No. 21, $2.50

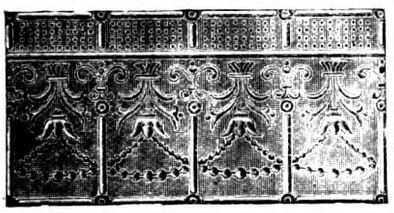
Consult your Jobber

Descriptive Catalogue Free

The Enterprise Mfg. Co. of Pa.

New York Branch, J. C. McCARTY & Co., 10 Warren Street

Philadelphia, Pa., U. S. A.



The Canton Steel Roofing Co., Canton, Ohio.

MANUFACTURERS.

STAMPED CEILINGS,

AND ALL KINDS OF

Sheet Metal Goods for Buildings,

Iron Shutters and Doors, Roof Paints, etc.

Best construction, quality and workmanship guaranteed.



WINDOW MIRRORS

Enables a person to see up and down the street, eight to ten blocks, and who's on the door step. Can be attached to any house. . . .

THE BEST MADE, "THE PERFECTION."

We want live agents in every town in the United States and Canada. . . . Write us

BAYER & CO., *28 North 13th St., PHILADELPHIA, PA.*



RESERVOIR PUNCH

For Euchre and Whist Parties.

This Pocket catches the pieces punched from Tally Cards, thus preventing a littering of the carpet.
Is hinged, can be opened, emptied and closed in an instant.
Of great value to Railroads as it prevents the replacing of pieces punched out of monthly or commutation tickets.
Also valuable in Restaurants where punch tickets are used.

PATENT APPLIED FOR.

F. J. MATTISON, PATENTEE,
50 Warren Street, N. Y., U. S. A.

ESTABLISHED 1868

SKYLIGHTS HAYES METALLIC LATHING & Co.

71-8TH AVE. NEW YORK.

FIRE-PROOF CONSTRUCTION

You take no risk on the quality. We make only the best!



Sand Papers IN **Reams and Rolls**

- Flint Paper
- Garnet Paper
- Emery Paper
- Emery Cloth

HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators.

BAEDER, ADAMSON & Co

730 MARKET STREET, PHILADELPHIA.
67 BEEKMAN STREET, NEW YORK.
143 MILK STREET, BOSTON.
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The Best Equipped File Works in the World

Samuel W. Allerton. Prest. C. C. Clarke, Sec'y & Treas. A. Weed, Vice-Prest. & Gen. Manager.

The Arcade File Works

Established 1842.

WEED'S IMPROVED CUT — GUARANTEE SEAL — ALL FILES ARE FULLY GUARANTEED — SPECIAL TEMPER

Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

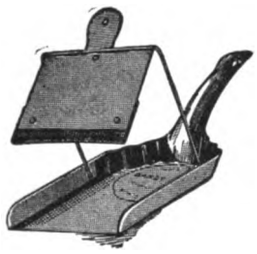
New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 97 Chambers St. and 79 Reade St. New York.

The DANDY SINK CLEANER.

. . . A perfect and complete



Household Specialty.

A Sink Cleaner and Shovel Combined. . .

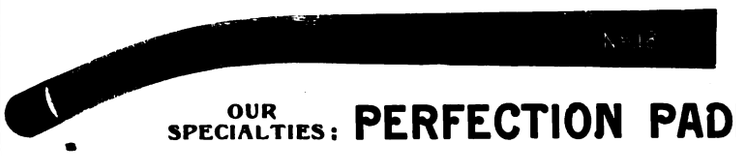
Tidy housekeepers will throw away the dirty sink broom and buy the Dandy Sink Cleaner on Sight. . . . . .

TRY IT AND BE CONVINCED.

For sale by all Wholesale Hardware Dealers, and by the patentee and manufacturer,

John W. Sudlow, 986 HALSEY STREET, BROOKLYN, N. Y.

AMES SWORD CO., Chicopee, Mass.



OUR SPECIALTIES: PERFECTION PADLOCKS,

All sizes, ½ inch to 2½ inches.

PROTECTOR REVOLVERS, THE GREATEST NOVELTY OF THE AGE.

Compressed Seam Fork Sides and Handle Bars. CORRESPONDENCE SOLICITED.

U. S. CLUB SKATES

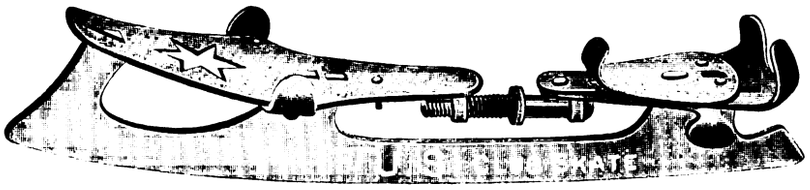
For Season of 1897 and 1898.

Manufactured by P. Lowentraut.

"U. S." LADIES CLUB SKATE.



"U. S." CLUB SKATE.

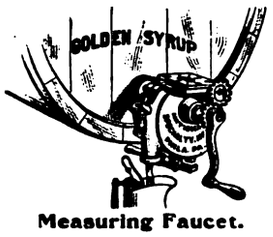


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JOHN H. GRAHAM & CO.,

P. O. Box 1042. 113 Chambers St., New York.

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Measuring Faucet.


Tobacco Cutter.

We Make Faucets

That measure a pint, a quart or a gallon accurately. A Barrel Drainer that adjusts automatically to fit in the bunghole. No bung borers needed and no molasses wasted. Coffee, Spice and Drug Mills that grind as you like it. Draw Cut Tobacco Cutters that do not squeeze through, but cut with ease. Our goods are second to none. All are fully warranted. Send for Catalogue to

NATIONAL SPECIALTY MFG. CO.

Lehigh Ave. and Third St. - PHILADELPHIA, PA.



No. 3 Mill.



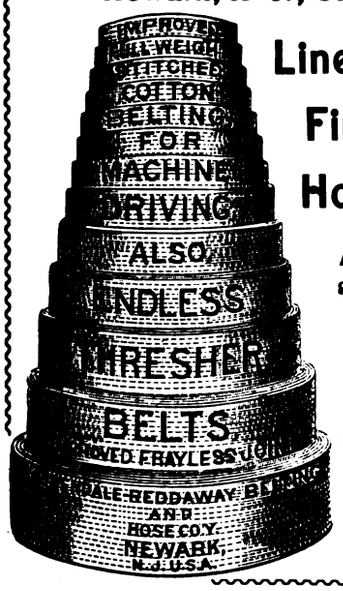
No. 1 Mill.

A First-class Hamburg Firm

Of wholesale dealers and agents in household goods, specialty enameled ware, with a large staff of agents all over the country, and doing a large trade with the Hamburg export firms, is open for the *import* of American household machines and similar goods; no bicycles. First-class bank references. . . .

Apply to "FOREIGN," care "HARDWARE," No. 143 Chambers Street, New York.

THE
ROSSENDALE - REDDAWAY BELTING & HOSE CO.,
Newark, N. J., U. S. A.



Linen Fire Hose

All grades.

Made to meet requirements of Underwriters.

SHOOT BLUE ROCKS.

For Sale by all Jobbers.

Foreign Trade Supplied Direct or Through Exporters.

The Cleveland Target Co.,
Cleveland, Ohio.

WITH PFLUEGERS LUMINOUS BAIT

You catch fish, while with others you might. Made in every suitable size and pattern known to modern anglers for



Trolling, Casting, and Still Fishing.

All enterprising dealers sell it. If not, address



The Enterprise Mfg. Co., Akron, Ohio, U. S. A.

Large Illustrated Catalogue mailed free.



Kendrick Valve & Washer Co.

Valve and Plunger Leathers.

. Special Valves to Order . .

Special Leather Washers.

Tubular Well Cups. Iron and Brass Cylinder Cups.
Oil Well Valve Cups. Elevator Cups.
Special Cups to Order.

308 EAST WATER ST. SYRACUSE, N. Y

MANUFACTURERS OF

PLUMBERS' WASHERS AND SPECIALTIES.

Best Class Trade From Hardware Line.

Sager Mfg. Co., Rochester, N. Y. [*Bicycle Saddles and Specialties*]: We have received a large proportion of the best class of trade from the Hardware line. We always regard it advisable to dispose of our goods wherever we can do so to advantage. We see no reason why the Hardware trade should be excepted. . . . . .

THE MAGIC OSCILLATING SPRING CURRY COMBS.

Sells on sight. Clock Spring blades. Best made and finest comb ever offered.

WE OWN THE BOTTOM PATENTS.



Write for circulars. Also of our Humane Cattle Cleaner and Shedder Mane Combs. Remember also, we are headquarters on Post-hole Diggers, Lawn Rakes, Lawn Sprinklers, Etc.

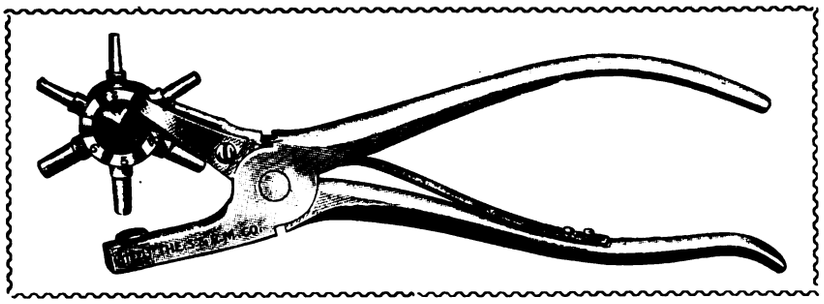
WE MAKE STRAP HINGES AND WIRE NAILS.

F. E. Kohler & Co., CANTON, OHIO, U. S. A.

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NEW CATALOGUE

. . . NOW READY . . .



Hardware
Plumbers'
Bicycle
} Specialties.

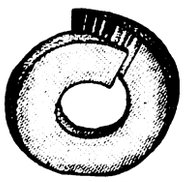
The Smith & Egge Mfg. Co.,

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Mention "HARDWARE."

TRADE MARK.



GOULD'S
STEAM & WATER PACKING

Never sticks the Throttle.
The Original Ring Packing.
In ordering give EXACT diameter of Stuffing Box and Valve Stem.
None genuine without this Trade Mark.
THE GOULD PACKING CO.,
A. CHIPMAN, Treas. EAST CAMBRIDGE, MASS.

TAKE AN AGENCY FOR THE
Royal Polished Steel Roaster and Baking Pan.

BIG FAT!



Self-Basting. Saves 20 per cent. that passes off in steam when roasted in an ordinary pan. Made of polished steel. In 7 sizes, including inside pans and grate bars in all sizes. Bakes finest bread.
For terms, address
THE ROYAL POLISHED STEEL ROASTER CO., Troy, O., U. S. A.

BEST MADE!

ESTABLISHED 1835.

JOHN CHATILLON & SONS,

Sole Agents:
FOSTER BROS. CO., Butchers' Knives and Tools.
PHOENIX KNIFE CO., Pocket Knives, &c.
FRIEDERICH DICK, Butchers' Steels, &c.

—MANUFACTURERS OF—
SCALES, BUTCHERS' TOOLS AND MACHINERY.
85 to 93 Cliff Street, NEW YORK.

PATENT DUST-PROOF **METAL CEILINGS.**
S. KEIGHLEY & CO., only Mfrs. 49-53 Locust St., Pittsburg, Pa.

PATENT INTERLOCKING DUST-PROOF JOINT.
Best construction. Being adopted by all architects. Easily and cheaply applied. Costs no more than the old-fashioned lap joint. **Send for Catalogue.**

TURF NAILS, Nos. 1 to 5.



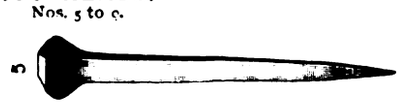
FRENCH HEADS, will fill any shoe punched or creased. Nos. 3 to 8.



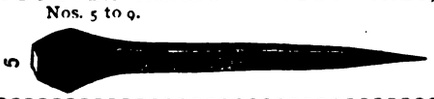
REGULAR HEADS, Nos. 5 to 14.



CITY HEADS, for shallow creased shoes, Nos. 5 to 9.



COUNTER HEADS or **FROST NAILS,** Nos. 5 to 9.



PUTNAM NAIL COMPANY

NEW DEPARTURE.

In consequence of the action of the National Hardware Association, we now propose to sell direct to the general jobbers of the country. . . . . .
All restrictions have been removed as to quotations to be made by the trade from ocean to ocean. . . .
The high quality of the Putnam Nail makes it an easier seller at an advanced price over nails made by rolling and shearing. . . . . .
In case local dealer does not handle our goods, address

The Putnam Nail Co., Neponset, Boston, Mass.

235 Lake St., Chicago, Ill.
12-14 Drum St., San Francisco, Cal.

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HARDWARE

THE NEW YORK PUBLIC LIBRARY ... AND TILDEN FOUNDATIONS.

VOL. XV. SEPTEMBER 25, 1897. NO. 12.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade. Published the 10th and 25th of each month, by the HARDWARE PUBLISHING CO., No. 143 CHAMBERS ST., NEW YORK.

BRANCH OFFICES: CHICAGO, - - - - - ASHLAND BLOCK.
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JAMES H. KENNEDY, - Editor and Manager.
HENRY HOPKINS, - - Associate Editor.
FRANK REIFSNIDER, - Western Manager.

The Circulation of "Hardware" is Larger Than That of Any Other Paper in the United States Devoted to the Hardware Trade.

Editorial Trade Review.

Every week that passes increases the strength of the conviction that business at last has struck the upward groove, and f om now on nothing but encouraging conditions need be hoped or looked for. Prices are becoming settled under an increasing inquiry, so that the manufacturer is able to figure and find a fair profit underlying his bottom quotations.

The strikes which have for several months—fortunately the dullest in the year—unsettled the conditions of improvement contemplated by many plants, are now giving way to reasonable arguments and healthful arbitration, and under increasing orders and growing prosperity, the toilers will eventually receive without asking for them, the rewards of a conscientious devotion to the interest of employers, who are always ready to reciprocate loyalty and fidelity with increased compensation.

As prosperous conditions advance by the aid of generous crops, remunerative prices, and increasing incomes, to those who have large properties, more money is put afloat, more work is obtainable, every one who desires to labor finds an abundant opportunity, and the country once again breathes the healthy vigor of confidence born of conditions easily understood and sure of continued permanence.

The very gratifying exhibit made by the statistics of our foreign trade for August, strengthens the markets materially, the increase in the value of our exports and the decrease in the value of our imports, being prominent features. The exports for the month of August reached the promising figures of $80,820,393, which represent an increase of over $12,200,000 as compared with August of last year and marking the largest total for any corresponding month of which the Bureau of Statistics has any record.

An increased demand for money for speculative purposes has hardened the New York loan market considerably. The supply is still sufficient and the demands for commercial accommodation materially augmented causing a decrease in the surplus reserve of noticeable importance. Increased net earnings of the railroads indicate conditions of prosperity gratifying to witness, being fully 15 per cent. as compared with a year ago.

Staple lines in Hardware are gradually but firmly bracing up in price. In wire nails the quotations are constantly advancing under conditions that make the present the best time to place orders. The stopping of an important output like that of the Salem Wire Nail Co., which has been closed for two months, and other mills, has had a tendency to remove some hustling competitors and stiffen the advanced quotations already on record.

The large influx of buyers to this city in so many other branches of commercial activity, has effectually prepared the wholesale houses here and the manufacturers as well, for a season of prolonged energy; which in the case of Hardware is usually later in the season than that of dress goods, and can be relied upon to cover a longer time in its development and distribution. The eagerness and interest manifested in our markets by these intelligent visitors is in marked contrast to the listlessness which for the past few years has characterized the provincial buyers who found competition in purchasing of a more conventional nature.

Protection to the Worker.

Constantly recurring strike troubles are periodically fomented and encouraged by conditions that should be regulated under certain legal restraints which do not now seem to prevail in any instance. The right of a man in this free country to work and support himself and family should be an inalienable one to all laborers, workmen or skilled artisans, of any sort whatever, that have been encouraged to come here by our world-known progress in industrial affairs, and this right, whether asserted by an alien or citizen of the United States, should be supported and sustained by organized society in every part of our country. No sentimental nonsense should be thrust forward to prevent it, for there are paupers and tramps enough, God knows, who are unwilling to work at all, and who take every opportunity to avoid contact with labor of any kind. Let us sustain and enforce the right of a man to earn his living, and see that he be fully protected in doing so.

There are some restless and turbulent spirits in every large manufacturing plant who are inspired by disorder and anarchy in exacting demands impossible to be complied with.

There is nothing in the statutes that will prevent a man not under contract from making a fool of himself; and like the dog in the fable, letting go his hold on the chunk of meat he has already in his mouth, with the expectation and desire to clutch the piece he thinks he sees in the water.

At the foundation of every strike there are workmen who will not work themselves, neither will they permit other workmen to take their places at the wages they have rejected, and this is the phase of this strike business that must at some time or another be settled, to the satisfaction of the voters of this country, independent of the opinion of the alien demagogues who betray our workmen into becoming embryo anarchists,

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in the interests of the manufacturers of countries with the less skillful labor of which we are constantly competing.

"Farmers all have a big roll of money this fall and are feeling well, and prosperity is certainly in the air, whether McKinley brought it or not. There is nothing that helps good times along so much as to talk about them, and for that reason I will not be a Populist or Pessimist any longer."

So writes, in a personal letter, an Ohioan who last year was both Populist and Pessimist. There is a wealth of golden wisdom in the above words. Confidence begets prosperity, and prosperous conditions beget renewed confidence.

What is Advertising?*

BY NATH'L C. FOWLER, JR., DOCTOR OF PUBLICITY.

Ask a hundred men, "What is Advertising?" and ninety-nine of them will say that advertising is—advertising.

Advertising, as I see it, is the announcement of anything by any medium of presentation.

Advertising is a commodity—as much so as dry goods, shoes, or flour.

Advertising is one of the five links in the chain of business.

The advertising that does not pay is almost always the advertising that has not been given a chance to pay.

The average user of advertising writes the advertisement with a blunt pencil upon a pad of paper upon his knee, or quickly scribbles off his name and address—and something else—upon a pad on his desk.

He pays good money for advertising space.

He fills that expensive space with the careless thought of a minute.

It is estimated that the world spends two thousand millions of dollars a year on advertising.

An intelligent estimate has not been able to assume that this same business world pays out more than one two-thousandth of this total expenditure for the preparation of its advertising matter.

If advertising is worth anything—and every successful business man says that it is—then some care should be given to its preparation, just as much as to the management of any other part of business.

Advertising, being a commodity, must be considered a commodity.

There are altogether too many typewriters, too many stenographers, too many bookkeepers, too many lawyers, too many doctors, too many clerks of every station, but there are not, by thousands, too many men and women who understand the writing of advertising and the directing of advertising.

The best advertisement writer for a business is some one interested in that business.

It may be the business man himself; it may be the business man's brightest clerk or cleverest daughter; but it is certainly some one who has the time and ability—and interest.

Better do it yourself, or have it done by some connected with you, than to trust it to the small army of ad-smiths who have only untried originality to sell.

*Copyright, 1897, by Nath'l C. Fowler, Jr.

Told at the Club.

There hangs on the walls of the Hardware Club of New York several newly added pictures. One of these is a Rembrandt, showing six solid citizens sitting about a table.

A member came in, and a worthy officer of the club said to him, "How do you like the new picture?"

"Very much. What is it called?"

"'A Syndic of Drapers.'"

"Is that so? I thought it might be 'The Six Little Tailors.'"

A prominent and ministerial-looking member of the club went into a downtown hat store. Selecting a tile that suited him, he asked, "What's the price of this?"

"Eight dollars," responded the clerk.

"Any discount to a minister?" gravely asked the caller.

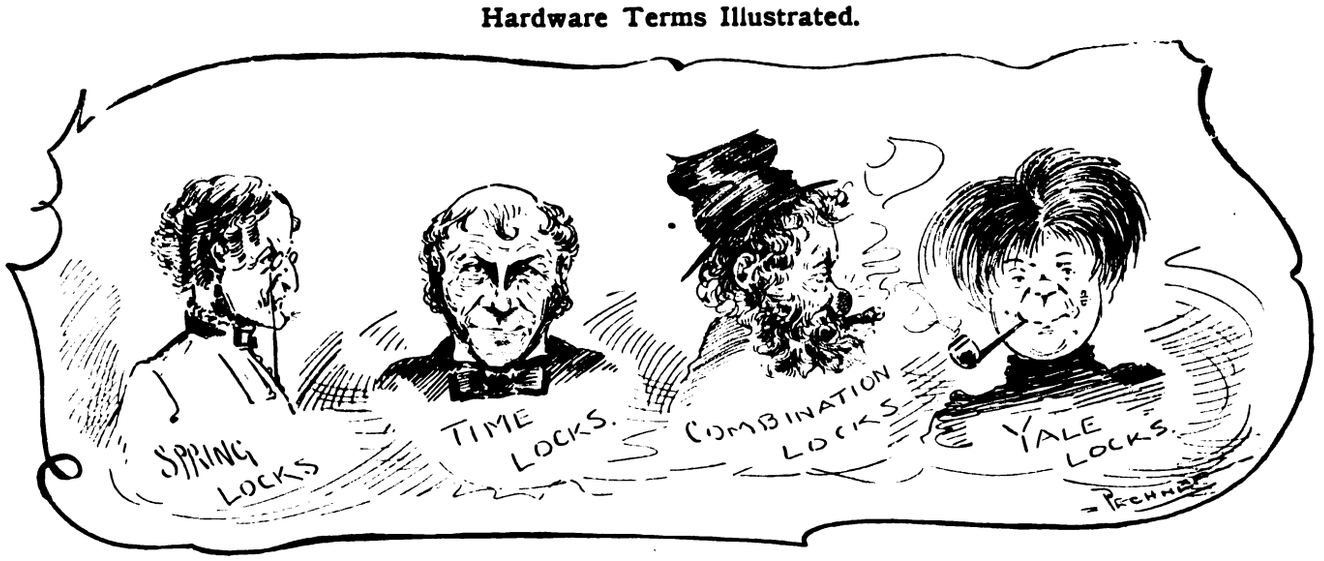
"Yes, sir. *You* can have it for seven dollars."

The Hardwareman put the hat on, walked over to a glass, took a long look, and said with emphasis, "I'll take this. If my congregation don't like it, they can go to the d——l."

A New Jersey suburbanite tells this one:

There is an editor in our little town who just for the present wishes he were somewhere else. Desiring to compliment the school teachers of the place, and extend the circulation of his newspaper among them, he wrote an elaborate article, which he headed "Pension a Lot of our School Teachers." He then continued in an eloquent strain to declare that "there are about a dozen of the best known teachers in our schools, who, because of their long service in the harness, should be pensioned immediately." Of course the intelligent compositor got in his work, and as the old man failed to read his proof, he was horrified to find his paper declaring that there were a lot of old school teachers in that town who ought to be "poisoned" immediately. The editor informs me, with tears in his eyes, that this is one of those unpleasant episodes which occur to an editor now and then.

Hardware Terms Illustrated.



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"Othello's Occupation Gone."

Editor Hardware: To many men the loss of an occupation is unknown.

They have been lucky in this regard, and fail to appreciate the significance of the title to this article.

Fortune has seemed to smile upon them, and they little know that feeling which rises in a strong man's heart, who, after doing the best he could, finds himself in the dreaded situation, "out of work."

If he has been in business, and has worked against heavy odds, and has seen the grim spectre of failure in the distance, he may not be wholly unprepared for it when it does come, but the discouraging reality adds the climax to his worst of fears.

To the young man with no family to support, the loss of a situation is not so serious. If he is a young fellow of the right sort, he has some of his saved earnings to fall back upon, and he is full of hope, and can look for another situation.

When a man loses a situation through no fault of his own, it sometimes is an advantage to him, and proves a blessing in disguise.

Many men who have fair salaried positions are contented to thus go through life having no higher hopes and aims than simply to do their work well, and never expect to be anything more than a clerk all their lives. They thus become dwarfed in their mental capabilities, and if they live to be old, their services gradually become less and less valuable to their employers. Had some men of this stamp lost their positions early in life, the struggle that they would have been forced to make would have tended to develop what was best in them.

Many of the most successful business men of to-day would not have achieved their present financial positions had they always remained clerks. Had they had their choice, perhaps, they would always have been clerks; but many of them lost their situations, and this very fact was the door which opened up the way to starting a business of their own. So, should these words catch the eye of any young man recently discharged, let him take fresh hope and courage, and resolve to do something for himself. If he is made of the right kind of stuff and is contented to start in a small way, and be satisfied with slender wages for himself for a few years, his chances for winning a competency are good. To such a man, although the loss of his situation at first seemed a misfortune, in the end it will prove one of the greatest benefits that ever befell him.

But the many who are unfortunate enough to lose their situations—the man with a family to support, whose health perhaps is partly gone, and the fire and ambition of his early days being gone—it is a sad condition.

A case recently came under the writer's notice which illustrates this fact. A man of fifty-two had failed in business He had a partner, but they were forced to assign, owing to hard times, and our friend found himself without means of livelihood. He had begun life as a clerk at fifteen, and at thirty, having accumulated a few dollars, commenced business with a partner. He, himself, knew nothing of the financial part of the business, leaving the book-keeping to his partner. He worked early and late, took few holidays, and was always found behind his counter.

Now, after the failure, when the affairs were wound up and it was evident that if the business were continued it would be useless for both to attempt to make a living from it, our friend fully realized his position.

To get up in the morning and not have the store to go to, was indeed an innovation. The very thought of having nothing to do was a burden to him. He applied everywhere for a situation, but without success. Stores needing help preferred younger men with no families, so that if they discharged them again the responsibility would not be the same as an elderly man. It was useless for him to seek employment in other lines of business, as he knew nothing but what he had spent his life upon.

After a few weeks of enforced idleness, and when he was worrying himself into a state bordering upon despair, he was urged by a few friends to again start a small store for himself.

Kind friends furnished financial assistance, and with the past dear-bought experience, he was better prepared to make a success of it than before, and in a few years he was doing a fairly prosperous business, and making something more than a living.

But he had learned that the careful oversight of the finances was of the first importance, and that his trusting too much to his former partner had been the mistake of his life.

Of course, this man had friends who proved of great value to him in his time of need. And there are few men out of work but have the same. They may not be able to render financial aid, but they are ever ready to extend sympathy and offer encouragement, which are very much needed and appreciated by one in such an unfortunate position. It never pays a man to lose heart, no matter how dark the prospect, for a discouraged man can do little for himself or for anybody else. LYLE MERTON.

"Shooting" the Fire "Chutes."

The Dow Wire Works Co., Louisville, Ky., manufacturers of wire goods in various forms, fire escapes, etc., have just closed an important contract with the Louisville school board. Their Kirker-Bender fire escapes are to be placed on fourteen city school houses, and the Louisville *Dispatch* devotes a great deal of space to a description and illustration of this unique and successful life-saving apparatus. It says:

"While the Kirker-Bender escape is well known to thousands of youngsters who have attended school at the ten city school buildings already supplied with them, there are a great many yet of all ages in the city, as well as out, who have never had the exhilarating experience of a slide through one of these escapes. The accompanying illustration will give a fair idea both of the construction and the way in which it is used in case of fire. It is so arranged that children find it a pleasure to forsake studies for fire escape drills. They consider it a great treat to be allowed to go home from school down the escape and jump in with books and slates, making their exit at the bottom in greatest glee.

"The fire escape is especially adapted for use in hospitals, where sick and maimed patients could not be carried down an iron ladder without great difficulty and danger. The descent of the chute is so easy that no harm can come to a sick person, provided care is taken to properly place the invalid in the chute ready for the descent. The shape of the chute renders it as safe when used in connection with a skyscraper as when attached to a low building, and the slide for life is as easy and pleasant as walking downstairs.

"As is well known, one of the greatest dangers when a fire breaks out in a crowded building is the likelihood of a panic. Stairways are often rendered impassable in this way. Through hurry, one or more of those seeking to escape will fall, and those behind will crowd over them, trampling them under foot and often packing the stairway solidly with human bodies. With the chute such a condition is impossible. The person who falls into it will slide to the bottom as safely as he who starts carefully, and all danger is obviated."

Persistency is the wedge which opens up to its possessor the way of success.—*Hardware and Metal Reporter.*

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Care in the Cookroom.

A TIMELY WARNING TO THOSE SELECTING KITCHEN UTENSILS.

While commendable progress has been achieved in many other important features of modern domestic economy, the sanitary accessories of our kitchens—decidedly the most important matter of all—have received very little attention from hygienists; and this oversight is to be deplored, for there can be no doubt that the well-being of the entire household is in the keeping of the culinary department of the home.

Many articles have been written on the wholesomeness or unwholesomeness of this and that food product; tables have been compiled to demonstrate the percentages of nutrition and the alimentary value of the various items of our daily fare; innumerable suggestions have been offered regarding the importance of care in the selection of the raw material; but too frequently the culinary processes are entirely ignored, and, as a result, otherwise healthful food becomes dangerous to health and frequently is the means of bringing sickness into the household.

Among all the dangers which threaten those unaccustomed to scrutinizing the kitchen equipment, we are satisfied that the risks incident to an undiscriminating selection of the kitchen utensils take decided pre-eminence, for the ordinary substitutes offered for the old-fashioned pots and pans are an unquestionable menace to every one partaking of many articles of food cooked in the same, for the enameled coating upon the iron is retained through the means of arsenical or antimonial preparations in some cases, and in others by the use of lead, which is a most dangerous and insidious poison. These toxic elements may not exist in large quantities in such utensils, but the fact that they are employed at all, and that there is always danger that an inexperienced workman in the manufactory may, through carelessness, exceed the usual quantity, or that unequal distribution of the same may occur, should afford food for thought to every prudent housewife. Even though only minute quantities of lead find their way into these utensils in which food is prepared, it should be remembered that this subtle poison is cumulative in its effects and that the most minute particles collect from day to day and ultimately work great injury to the system. The insidiousness of lead poisoning is indicated by the grave diseases incident to the painters' trade, in which this virulent poison is absorbed through the pores. Other cases might be cited wherein water allowed to stand over night in lead pipes caused fatal results, and paralysis from the use of hair dyes containing a preparation of lead are not infrequently reported. Any food of acid nature may set free the mineral poisons used in the manufacture of the kitchen utensils in question, and therefore the use of such vessels is fraught with constant dangers to health.

We have made a critical examination of the products of nearly a score of the manufacturers of such goods and the only articles of the kind found to be absolutely free from all the dangerous contaminations of which mention has been made, are those known as "Agate Nickel Steel Ware." The makers of this ware possess an exclusive process by which through the intervention of a coating of nickel the impervious coating is caused to adhere to the steel, thereby doing away with the necessity of a lead bath or the employment of antimonial or arsenical preparations to achieve such results.

The *American Journal of Health* has no disposition to unduly frighten the users of the dangerous utensils in question; it is not an alarmist, as its readers well know; but from a carefully-considered and conservative standpoint it feels impelled to acquaint its patrons with the truth in regard to any and every menace to the health and well-being of the household. To remain silent when the evils resulting from the use of unsanitary kitchen utensils have been so forcibly demonstrated would be to ignore a plainly indicated duty. For twenty-eight years we have uttered cautions regarding unfit and unsuitable food, have inculcated needed sanitary restrictions, and have ever been first to champion hygienic advancement according to modern lines of thought and in keeping with the latest scientific teachings of the age.

From the vantage ground of frank and fearless independence, and with no interests whatever to serve save those of the readers of this journal, we unhesitatingly declare that we have found one—and but one—product of the kind to be free from the drawbacks named, and in commending Agate nickel-steel-ware to every reader, we do so in the same spirit which for over a quarter of a century has animated and inspired this publication. We bestow the heartiest editorial endorsement upon this ware because we know that its use is absolutely devoid of all danger. We wish we had found others which we could offer to our readers as worthy of the same high praise.

C. H. BRACE, M. D.
—*American Journal of Health.*

Bissell Sweeper Co. Announcements.

The Bissell Carpet Sweeper Co., Grand Rapids, Mich., and New York, make announcement under date of Sept. 8, as follows:

To dealers handling our extra high grade exclusive brands: On August 2nd we announced to the trade a reduction in price on high grade exclusive sweepers, "Cyco" bearing, from $27 per dozen to $24, and on the "Cyco" bearing "Grand Rapids," japan, from $24 per dozen to $22 subject to rebates for quantity, and we are pleased to be able to state that the new prices have been greatly appreciated by the trade as is evidenced by the liberal orders we have received.

Our motive in reducing the prices on these goods was to enable the dealer to sell our high grade nickel brands at $3.00, and the "Grand Rapids" japan at $2.50, and still make a good margin of profit. At these popular prices for high grade Bissell sweepers your sales on our goods should almost double, and it is equally certain that the demand for cheap sweepers will correspondingly diminish.

We desire to add that to any of our customers who would like some of our high grade nickel brands in solid mahogany, piano finish, to retail at $3.50, we will supply the goods at the old price of $27 per dozen, subject to rebates for quantity.

These goods come regularly in the following popular assorted finishes: antique oak, English oak, natural oak, birch, (mahogany stain) and quarter-sawed sycamore.

We call your attention to the circular enclosed, describing our line of toy sweepers, which command a large sale during the fall and holiday seasons. Yours truly,

BISSELL CARPET SWEEPER CO.,
R. E. Shanahan, Ass't Secy.

The company also make further announcement, as follows:

"As our factory from now on will be crowded to their fullest capacity, we strongly urge that you place your orders for the holiday trade at once, to insure having the goods in time."

The Berlin Iron Bridge Co., East Berlin, Conn., have the contract for the new boiler house which the New York Belting & Packing Co. are putting up at Passaic, N. J. The building will be entirely fire proof, brick walls, with steel roof trusses covered with the Berlin Iron Bridge Co.'s patent anti-condensation corrugated iron covering.

The secretary-treasurer of the National Sportsmens' Association has left for the West to close contracts for special features for the coming Exposition to be held March 12th to 19th, both days inclusive, at the Madison Square Garden, New York.

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President Benj. S. Lovell.

At a recent meeting of the directors of the John P. Lovell Arms Co., Boston, Mass., Col. Benj. S. Lovell, who has been the treasurer of the corporation since its incorporation, was elected as its president, to fill the vacancy occasioned by the death of the late lamented President John P. Lovell, the founder of the John P. Lovell Arms Co., and Henry L. Lovell was elected a member of the board of directors and treasurer of the corporation, in place of Col. Lovell.

In addition to holding the presidency of the John P. Lovell Arms Co., Col. B. S. Lovell is also president of the John P Lovell Co. (factory), South Portland, Me., and of the Lovell Arms & Cycle Co., of Worcester, the treasurership of each of which is held by Mr. Henry L. Lovell.



COL. BENJ. S. LOVELL.

These changes, necessitated by the death of President John P. Lovell, are in conformity with his expressed wishes.

Mr. Lovell desired to retire from the presidency of the John P. Lovell Arms Co. a year or two ago, but was induced by Col. Lovell to defer such a step at that time. Under the direction of its new president, Col. Lovell, the John P. Lovell Arms Co. is assured a continuance of the same successful and prosperous career that it has enjoyed for more than half a century.

We take pleasure in publishing herewith a portrait of the new president.

The Philadelphia Gas Improvement Co., Philadelphia, Pa., are increasing their plant by erecting a new fireproof pipe shop, constructed entirely of iron. The building has steel framework and a corrugated iron covering. The contract for erecting the building has been let to the Berlin Iron Bridge Co., of East Berlin, Conn.

New Members of the Hardware Club.

At the September meeting of the board of governors of the Hardware Club of New York, held on September 16th, the following gentlemen were unanimously elected to membership in the Club:

Herbert L. Pratt, Standard Oil Co., No. 26 Broadway.

William B. Lowden, No. 4 Murray Street.

David Daggett, No. 312 Broadway.

William E. Weeks, Whitehead & Hoag Co., No. 253 Broadway.

Samuel Stewart Bradley, No. 146 Centre Street.

The rooms of the Hardware Club of New York, Broadway and Murray Street, have undergone their usual summer renovating, and a number of notable features attract and please the members as they come back one by one from their summer vacations. New carpets have been laid in several of the rooms, and the large front room heretofore devoted to committee meetings, has been transformed into a cosy and handsomely furnished library, the room heretofore used for library purposes being refurnished and recarpeted and is to be used hereafter as the main parlor. The club has taken on a decided air of freshness, and suggests more than heretofore the successful history of this great fraternal organization.

The Cleveland Chamber of Commerce have organized a merchants' excursion to Cleveland from September 6th to 18th. A one and a third rate has been secured on the railroad, and reduced rates at the leading hotels. The territory comprises the States of Ohio, Indiana and Michigan, and those parts of Illinois, Pennsylvania and New York and the province of Ontario within the jurisdiction of the Central Passenger Association.

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Will the 1898 Cycles Have Gear Cases?

Instead of radically changing the well-known features in construction of the leading cycles now on the market, how much more logical and sensible it would be to seek the best means of remedying the faults of the present construction, these faults being few, positive and well known to every cyclist, thus perfecting the cycle by evolution rather than revolution. In this new development a new model will appear, apparently of a new type and yet based upon the present construction. Probably no part of the wheel causes so much trouble as does the running gear, and yet the nuisance and discomfort of the chain gear is not because of mechanical faults. Indeed no other method of transmission of power would have stood the abuse to which the chain and sprockets have been subjected. But the many troubles due to dirty chains, "stretched" chains, worn sprockets, resultant loss by friction, accidents, discomfort and the general nuisance of the chain are due simply to the fact that in this one important detail of the wheel improvement has not kept pace with the perfection of the other parts. To be sure many chains based upon the most approved mechanical principles have been devised and the chain and sprockets are perfected so well that when new and perfectly clean, the loss by friction is as low as ½ of 1 per cent., so that the troubles of the chain are in no sense due to faults of its construction, but simply because wheel builders have neglected to properly protect a perfect gear after they had produced it. It has been demonstrated that a chain with bearings worn to such an extent that the chain was lengthened one link, loses 40 per cent. in friction. Yet this is not natural but abnormal wear caused by the fine particles of grit cutting away chain bearings, blocks and sprocket teeth, this grinding out causing a quick misfit of chain on sprockets. A watch or clock manufacturer who sends his product out with no protecting covering would be thought insane, and if one wheel manufacturer should leave the three bearings of wheels and sprockets open and fully exposed to the dust, his machine would be looked upon as a mechanical absurdity, and bankruptcy would immediately follow. But ever since the safety came out an average of over 100 delicate and sensitive bearings have been left wholly exposed to the dust, mud and rain, and with what resultant troubles every cyclist knows by experience. If three bearings should be protected from dust, mud and moisture, why not the other 100? Again, the grinding out of blocks and sprockets quickly destroys the fit of the gearing, resulting in enormous loss of power. In spite of all these well-known defects, the chain gear machine has proved its practicability and usefulness. What possibilities of comfort, easy propulsion and indifference to the weather and road lies before the cyclist when the "enclosed chain" is his mount, and what an impetus to the trade it must give when the running gear needs no attention whatever, and in dust, rain and mud the wheelman feels a smooth, elastic, easy-running gear beneath his feet. While this radical improvement is as of much importance and as much to be desired as the pneumatic tire, it may be accomplished with hardly any expense and without investment. The "gear case" of Europe performs this work to a certain extent, but its objectionable features are many. Designed simply as an accessory, it is unsightly, full of joints more or less open, impossible of attachment to American wheels, and altogether objectionable to the American rider. Conditions in this country differ from those in England, where mud is the chief enemy of the chain. Here we have a fine, penetrating dust the greater part of the riding season, and a protection fairly efficient against mud is no protection against this most dangerous enemy. It is, therefore, necessary that chain and sprockets be enclosed in a casing actually tight as regards dust and moisture, while due regard is given to the appearance not of the case itself, but of the wheel as a whole, with the casing appearing as a simple integral part of the complete machine. There is no question but that thus applied it gives a smooth, dressy appearance to the wheel, giving the whole a style and appearance of value, while a little familiarity with the "enclosed chain" model causes the ordinary exposed chain to appear bare, crude and unfinished. After two years of study and experiment, and several months of practical manufacture, an American inventor has very successfully worked out this problem, and to-day the company formed to develop the invention is fitting the wheels of riders all over the country, and arranging with our best manufacturers for the presentment of the "Enclosed Chain" as the standard high-grade model for '98. It promises an increase of interest in cycling; the general discarding of old mounts to obtain a wheel having such pronounced advantages, and obtained at reasonable prices; economy of manufacture with resultant low prices and good profits; the final acceptance of the bicycle as a legitimate vehicle, and the perpetuation of the cycle industry.

It Left a Sting.

Some issues since *Hardware* published some good advice to writers of business letters, the central thought of which was, "Never write a letter that leaves a sting."

This advice seems to have been overlooked by a partner of a Brooklyn concern, who had a difference of opinion with the other member of the firm. From the cool of the country, he indited an epistle that could hardly be construed into an olive branch of good will; and as an illustration of what a letter can be when an angry man tries, is here published in full—taken from the court proceedings that naturally ensued:

"The business will be run by me until I get you kicked out, which will be pretty —— soon.

"You dirty, suspicious Dutch hound! If I had you here this minute I'd slap your two-faced mug for you. When I return in a few days I'll jerk you out of that office so quick that it'll make your head swim. I gave you one warning about your behavior, and it is the last one. You are ruining the business, making enemies of all my customers. Everyone is complaining. I'll take some of that high-handed Dutch air out of you when I get in there. When I send a man in with orders they will be obeyed hereafter. You are a dirty, suspicious Dutch cur, and I am aching to smash your face. Several people warned me that you didn't have the brains of a ten-year-old boy, you blatherskite."

Death of George W. Harris.

George W. Harris, editor of the Colquitt County *Courier*, Moultrie, Ga., died on August 25, 1897.

Mr. Harris was born at Salem, Conn., August 16, 1837. He was sixth in descent from James Harris, who was born in Boston, Mass., in 1661, and who died in New London, Conn., September 13, 1715. He was a brother of the Hon. Jonathan N. Harris of New London, recently deceased.

When a young man Mr. Harris settled in New York, and from 1865 to 1873 was a member of the wholesale Hardware firm of Brown, Harris & Hopkins. He removed to Boston in 1882, and for a number of years was the head of the firm of G. W. Harris & Sons. In 1891 he withdrew from active business, and settled in the South.

When a young man Mr. Harris was deeply interested in Freemasonry, and was a past master of Hyatt Lodge 105, F. & A. M., and also a past district deputy grand master of the fourth Masonic district, Brooklyn, N. Y.

Two sons, George B. and Clifford L., and a widow by a second marriage, survive him. Interment took place in Greenwood Cemetery, Brooklyn, N. Y.

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Reports from the South.

"Reports from the South," says *Hardware*, the organ of the business from which it derives its name, "are certainly of a reassuring nature. The South is rejuvenating, is the verdict of all close observers. The wholesome influences of the new tariff are apparent everywhere. The agricultural situation has never been so bright. Nothing lacks animation but the whiskey industry, and that will speedily mend under the impetus of the generally improving conditions."

All this is pleasant news, barring only the confident promise that the whiskey industry will soon "mend" in the sense of acquiring "animation" and more business, and it is all true, we believe, except in one particular. The reports from the South generally are reassuring. The crops are fairly good, and the present promise is that the main money crop will command a fair price. The agricultural situation has been brighter, perhaps, but it is reasonably bright. The farmers have been paying more attention than usual to food crops and products, and are not as much in debt for supplies as was the rule with them a few years ago. They have been compelled to economy and to prudent management in the conduct of their work, because of the scarcity of money, and they are better off in consequence than they have been at times when money was more plentiful and they owed more of it on mortgages, interest and other accounts. When they are comfortable in pocket, the "conditions" generally in the South are good. The prosperity of the South is based on their welfare. The "rejuvenation" of the South is due mainly to their industry and thrift, and the income derived from the sale of their products.

And this brings us to the consideration of the one particular statement in *Hardware's* summary of conditions which is subject to critical attention. "The wholesome influences of the new tariff," it says, "are apparent everywhere." Possibly they are apparent in the Hardware business, which is especially well cared for by the new tariff. The South makes practically no Hardware, and buys a great deal—all it uses. Higher prices for Hardware are distinctly to its disadvantage, accordingly, while they are highly advantageous to the manufacturers, as a matter of course. As the organ of the manufacturing interest, *Hardware* naturally regards such prices, produced by the new tariff, as "wholesome influences" for the Hardware industry, and presumably regards the higher prices for all other manufactured products as "wholesome influences" for the industries which manufacture them. We take it that this is all that it means, in fact, when it says that the wholesome influences of the new tariff are apparent everywhere in the South. If not, however, we shall be glad if it will explain what it does mean—that is to say, if it will explain particularly and definitely how and where the wholesome influences of the new tariff are exhibited in the case of a section only a trifling part of whose products are affected by it otherwise than injuriously.

Such influences, we are assured, are "apparent everywhere." It ought to be possible to point them out clearly somewhere.—*Charleston (S. C.) News and Courier.*

The Production of Metals in 1896.

What is claimed to be the most complete statement of the mineral production of the United States ever yet compiled has been tabled in a recent issue of the *Engineering and Mining Journal.* The figures have been obtained from the most reliable sources and are as close to the real facts as painstaking and conscientious care can get.

The production of pig iron for 1896 was 8,761,120 in metric tons (2204.6 pounds), with value at the point of production placed at $91,577,610. The output of the previous year was 9,597,449 tons, with value placed at $108,632,542.

Copper made a total of 467,822,923 pounds, the largest figure ever on the slate. Of this output more than one-half was shipped to other countries.

The production of lead for 1896 shows an increase of 17,938 short tons over the output of 1895, the value placed at $10,381,843.

Aluminum made a total of 1,300,000 pounds in 1896, with value at place of production $520,000. This is an increase over the output of 1895, which was 900,000 pounds, with a value of $495,000.

Gold production reached a point of 2,837,965 Troy ounces, valued at $58,660,637; the figures of 1895 being 2,265,612 ounces valued at $46,830,200.

Silver made a large increase over the figures of 1895, the total refined or obtained from our own ores being 56,222,322 fine ounces in 1896, or 9,891,087 over the output of the previous year. The value of the 1896 output was $37,725,178, and that of 1895, $30,254,296.

Metallic zinc or spelter made a poorer output than in the previous year, the production of 1896 being 77 637 short tons, being less by 4221 tons than the figures of 1895.

These summaries are as conclusive and perfect as they can be, and as on unquestioned authority are as reliable as they are interesting.

Law Notes.

Equity will not enforce a trust made in fraud of creditors.

Testimony of a single witness is sufficient to prove fraud.

Delivery of possession is essential to a gift in view of death.

A non-interest bearing deposit does not become due until demand.

The intent with which a conversion of trust property is made is immaterial.

A party cannot testify as the meaning or legal effect of an instrument in writing.

That the books of a firm show a person to be a partner is not conclusive against him.

The conveyance of all the firm property to a corporation dissolves the partnership.

A mortgage taken for a precedent debt does not make the mortgagee a purchaser for value.

Where two clauses of a contract are repugnant to each other, the latter will be rejected.

Money cannot be replevied by the owner after it has passed out of the hands of the original wrongdoer.

Stubs in a check book are not admissible to show the purpose for which the corresponding checks were given.

A conveyance made to hinder, delay and defraud creditors is invalid as to subsequent as well as antecedent creditors.

A member of a firm is not released because his co-partner agreed to assume the firm liabilities, with knowledge of the creditor.

Damages recoverable upon breach of contract are only those which are the direct and proximate result of the wrong complained of.

An order for goods made through the agent of the seller, subject to the latter's approval, may be countermanded before an acceptance is communicated to the buyer.

One buying personal property with knowledge of the existence of a mortgage upon it, and that it is unpaid, cannot attack the mortgage for want of acknowledgement, record and affidavit.

A duly authorized agent, acting on behalf of his principal, is not personally responsible on the contract, when the other party knows that he acts in the name and on behalf of the principal.

The next Exposition of the Sportsmen's Association will be held at the Madison Square Garden, New York, on March 12 to 19, 1898.

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NEW GOODS AND SPECIALTIES.

Stitched Cotton Belting.

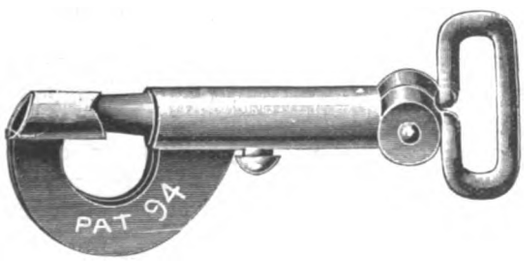
The Rossendale-Reddaway Belting & Hose Co. are among the largest manufacturers of Stitched Cotton Belting for machine driving and threshing machines in the United States; their extensive plant at Newark, N. J., being run



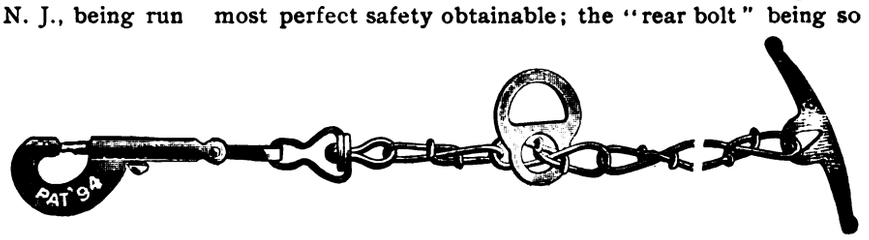
at present to its fullest capacity with the apparent possibility of long continuance. They are the manufacturers of the world renowned "Camel Hair Belting," which acknowledges no superior in point of excellence in wearing quality, and which has achieved so solid a record abroad as having so remarkably high co-efficient of friction in consequence of lying close to the surface of pulley, insuring the most perfect grip possible to be obtained. The Rossendale-Reddaway Co. are also large manufacturers of cotton and linen hose, especially fire hose, in the production of which their modern constructed plant is up to date, and fitted with the latest mechanical appliances.

White's "New Idea" Harness Snaps.

Ira F. White & Son, Nos. 76 and 78 Park Place, New York, are placing upon the market a line of sheet steel snaps for harness, rope chains, etc., and other chain goods such as coil chains, halter and picket chains, cow ties, swivels, dog collars, etc., that will command the attention of the trade by their uniform excellence and superior adaptability. The "New Idea" Snap, an illustration of which we give herewith, is manufactured from a special grade of the toughest sheet steel; the entire body (nose,



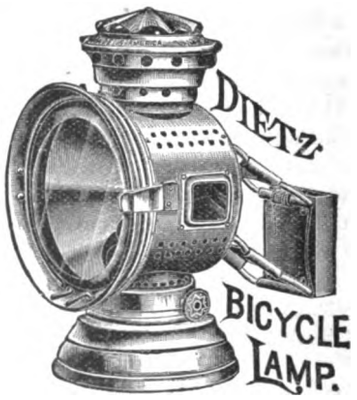
hook, ears and barrel) being formed from one piece. The eyes are solid cold forged steel. By this novel construction the greatest possible strength is obtained at the point of the severest strain—the hook—by presenting the edges of two plates of steel. As all "New Idea" snaps are nickel plated, they present a smooth surface and fine finish, and the barrel—or cylinder—being always free from scales or "warts," thus ensures a free action of spring and bolt, the most important feature in the success of any snap. The manufacturers claim for their novel construction of the knob bolt used in the "New Idea" Snap, the most perfect safety obtainable; the "rear bolt" being so



shielded, an accidental withdrawal is almost impossible. The snap which we illustrate, is only one of a large and complete line of harness, rope and open-eye snaps made by this firm. Special claims are also made for the "Square Knot" construction of the "solid steel wire" shown herewith, illustrating a tie which cannot be pulled apart, it being necessary to tear or shear the solid metal before it yields. Its peculiar form of construction insures a uniform strength that is not usually found in common welded chains, at the same time making it smooth, light, neat and strong, and making a halter chain, cow tie, etc., that is destined to become extremely popular. The manufacturers would be pleased to forward to the trade catalogue and discounts upon request.

The "Dietz" Bicycle Lamp.

The R. E. Dietz Co., No. 60 Laight Street, New York, are placing upon the market through the Hardware trade and dealers in bicycle sundries, the Dietz Bicycle Lamp, which we illustrate herewith. It is made of brass, finely polished and nickel plated, and weighs but 12 ounces. No solder is used except on bottom of oil fount. Among the claims made by the makers, it is stated the arrangement of drafts is such that the combustion is perfect. The light is white and intense, and it stays alight in spite of wind or jar. The reflector is parabolic, thus throwing all the rays of light straight ahead. It can be taken apart to clean. The oil fount is packed to prevent the oil working out. The



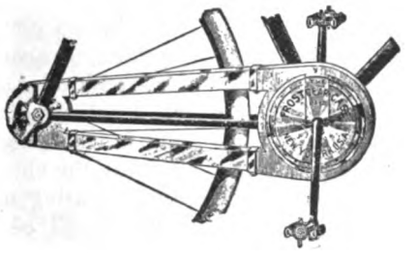
wick will not jar down. The door is hinged as the lamp can be more conveniently lighted in that way. They do not provide a sliding door on the side to light the lamp, because they think every time a lamp is so lit the reflector becomes more or less tarnished by the match. It is intended to be sold at $2.50, a liberal discount being given the trade from this established list price.

The Frost Gear Case.

The Frost Gear Case Co., No. 253 Broadway, New York, have been very successful this season in extending the

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sale of their very desirable bicycle specialty, an illustration of which we present herewith. The materials used in the manufacture of Frost Gear Cases are rubber, aluminum and steel. The front box support is a steel stamping, covered by a seamless rubber wall. By the use of rubber they are enabled to get joints which are dust and water proof, and by means of the elastic wall the construction fits snugly around any size crank hanger and makes an absolutely tight joint at this point. The hole



in the inner wall of the rear box can be expanded over the rear sprocket, and springing back into place again gives a close joint. The rubber boxes are moulded to the required forms. The great adaptability of rubber to the varying close construction of American makers is one of the chief advantages of this invention. The rear box is supported on the rear axle. The rear support is stamped from a high grade of steel and heavily nickeled over copper. This support being adjustable, allows for different distances from center of rear sprocket to outside of stays. The rear box is shaped up to the support by means of a strong band-spring steel which fits inside the rubber box, and is held firmly to the rear ends of the chain tubes by the clamps which serve to support and align the chain runs This distender may be filed, allowing the rubber to be pushed in by the rear forks when the machine is built close. The entire rear support is so fitted as to be easily accommodated to the varying chain adjustments, and can even be put inside the frame if necessary. One of the strong points in favor of this gear case is that the face plate can be quickly removed, exposing the whole chain to view. When taking out the chain it is necessary only to roll back the front edge of the rubber box, and remove the chain nut through hole in the steel support. Putting the chain back in place is an extremely simple operation. Having placed the chain bolt in the open link, all that is necessary is to drop the chain gently down the tube, elevating the front end of the bicycle. When chain touches the rear sprocket a gentle revolution of the rear wheel will forward the chain down to the front end of the lower run, when it can be connected as usual, the whole operation not requiring as much time as it does to put on a chain on a lady wheel equipped with chain guard.

The Malin & Co.'s Spooled Wire.

The Malin & Co., Cleveland, Ohio, were the first important concern to recognize the selling advantages of a perfect line of spooled wire, and, from a small beginning, they achieved a deserved success that makes them to-day the largest manufacturers of these goods in the world, having

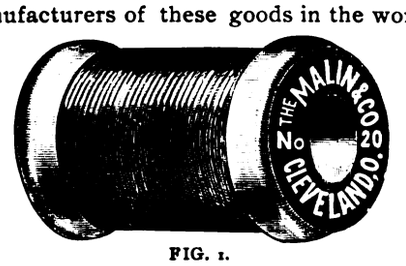


FIG. 1.

a daily output of 10,000 spools of wire. In addition to the usual and regular line of wire, without which no Hardware stock can be considered complete, they also spool many special wires, which are frequently required for manufacturing purposes on various sizes of spools. The salable stock line consists of steel, tinned, brass and copper wires, put upon spools for the retail requirements, holding quantities of 1 ounce, ¼, ½ or 1 pound, as shown in Fig. 1. This method enables the retailer to carry a very fine assortment of these desirable every-day goods without too great an outlay. The spools are packed in neat boxes, holding one dozen; each spool being plainly marked with the gauge of wire and the number of feet contained on the spool; the outer coil of the spool is coated with shellac,

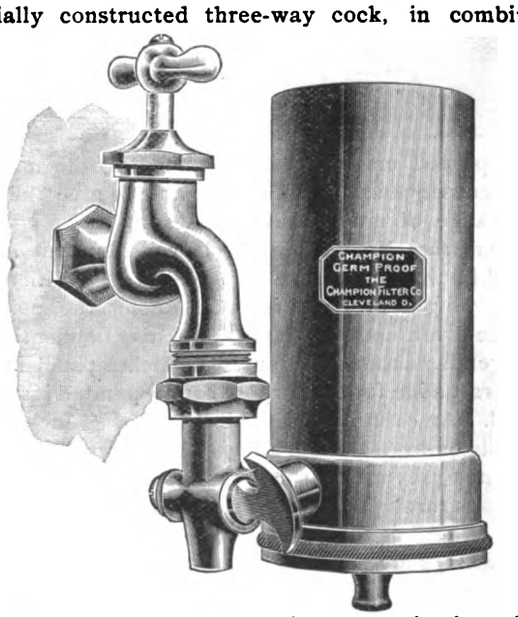


FIG. 2.

which prevents any rust or tarnish. The old style of handling wire in a retail store is inconceivable, being replaced so completely by this clean and handy style, and the profit of handling the goods is more certainly figured than by any other way. One of the most desirable ways in which the company offer their product is in the form we illustrate herewith (see Fig. 2), which is called a "Retail Stock of Spooled Wire." This stock consists of 147 spools of the kinds and gauges most desirable for a retail dealer no matter how small. A profit of about 100 per cent. can be realized by the retailer, and the stock always found in fine condition. These goods are all kept by the leading jobbers of the country, the last mentioned specialty being ordered in lots of 100 at a time. The company publish a very graphic catalogue, in which the illustrations are all very handsome and of full size. Catalogues and samples will be sent the Hardware trade upon request.

The Champion Germ-Proof Water Filter.

The Champion Safety Lock Co., Cleveland, Ohio, have recently added to their line of Patent Champion Germ-Proof Filters a style which will become very popular; it is shown in the illustration herewith. By the means of an especially constructed three-way cock, in combination



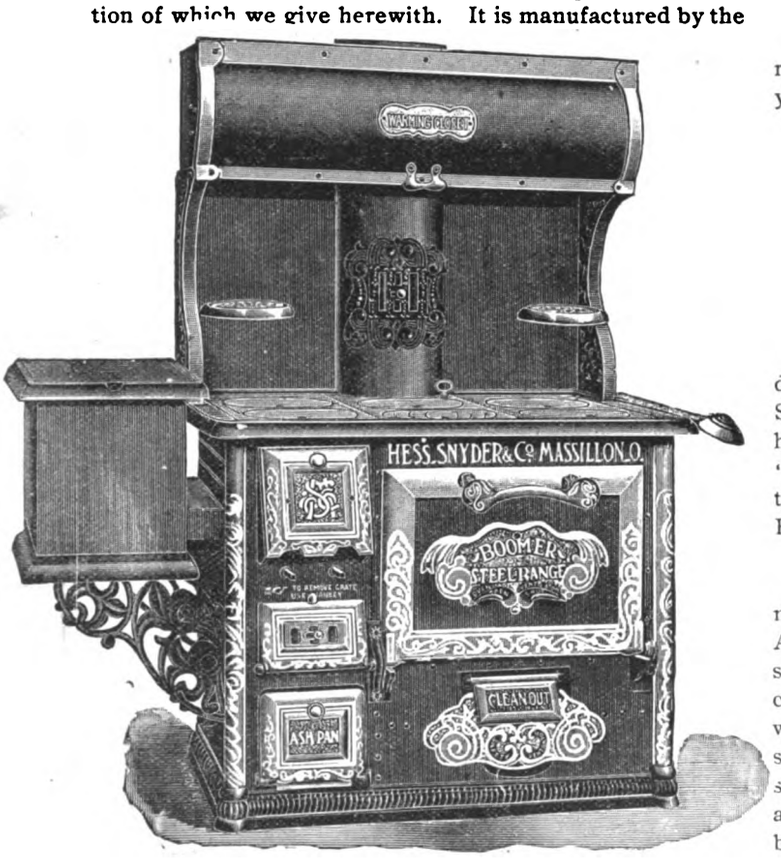
with a hose coupling (or a special connection intended for plain faucets), they are enabled to supply the demand for a filter of simple construction and yet of convenient form, which will furnish an ordinary household with filtered water for drinking and culinary purposes. The three-way

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cock is constructed in such a manner that by simply a quarter turn of the key, the water from the water pipes will pass through the filter, and by another quarter turn a direct supply of unfiltered water may be obtained, or the supply of water may be entirely shut off. Another important feature is noticed, that to clean the filter it is only necessary to unscrew the bottom to which the filtering tube is attached, and brush off the accumulation of organic filth and disease germs. One of the best points in this style of their popular filters is the fact that although of large capacity, they do not reach down into the sink more than two inches; the fact also that a large supply of filtered or unfiltered water may be had at all times, makes it one of the most convenient and satisfactory filters that has come under our observation, and one that will undoubtedly fulfil all possible requirements. They issue a very handsome catalogue that will be mailed upon request.

Boomer Wrought Steel Ranges.

Hess, Snyder & Co., Massillon, Ohio, are the manufacturers of the "Boomer Wrought Steel Range" an illustration of which we give herewith. It is manufactured by the



aid of improved machinery and claimed by the manufacturers in consequence, that they are able to give the trade a steel range of much heavier material, it being made throughout from No. 14 gauge cold rolled patent leveled steel, and in their catalogue under each illustration they give the weight of each range. Among the points of excellence dwelt upon by the makers, may be mentioned:

The oven is ventilated through the nickel panel in oven door, a draft slide for the purpose being operated just below the panel. An oven rack with air space of ⅜ inch underneath rests on oven bottom allows a good circulation under the pans and prevents burning on the bottom.

Air passes through clean-out panel between false bottom and floor as well as through apertures in the back of range. These openings are sufficiently large to carry off any heat that may radiate through the following material: First, flue bottom; second, one inch of dead air space; third, ⅛-inch thick of asbestos; fourth, galvanized iron false bottom.

Air entering the ash pit passes up behind all linings through perforations in the top of linings. They are kept from overheating by a constant circulation of air behind them, consequently they will last much longer. The same air circulation keeps the oven next to the fire-box from becoming warmer than any other part of the oven, and passes on in a thoroughly heated condition through the perforations in top of linings to mingle with the gases emitted by the coal where a perceptible secondary combustion takes place. The fact is that a much hotter fire is produced by the consumption of gas and oxygen than by the coal itself.

A cast iron grate is introduced in the ash pit just above ash pan. The duplex grates are then revolved allowing hot coals to fall on grate. A covered broiler can then be introduced through broiler door. By this method a constant draft is passing through the fire keeping it hot, as well as carrying all steam and odor into the chimney.

The range as a whole presents a pleasing appearance, and a perusal of their catalogue, which will be forwarded upon request, will give particulars in regard to other features.

They Use the "Bommer."

That marvelous group of high buildings, which has been raised with unprecedented energy in New York in recent years, including the:

Manhattan Life,
Bowling Green,
American Surety,
Standard Oil,
Bank of Commerce,
St. Paul,
Johnson,
Presbyterian,
Manhattan Hotel, etc.,

dominate the sky line from every point of view. Bommer Spring Hinges are used in every one of those mentioned here. Bommer Spring Hinges have become famous for "That Easy Movement;" it is their peculiarity; they do their work calmly; no afterclaps. Live dealers in builders' Hardware carry them in stock.

An announcement that is of special interest to American manufacturers will be found on page 17 of to-day's issue. A first-class firm of Hamburg, Germany, who are wholesale dealers and agents in household goods, desire to open correspondence with American manufacturers in the Hardware line. They have a large staff of agents all over that section of the world, and desire to secure a number of specialties for import into Germany. Any communication addressed to "Foreign," care of *Hardware*, No. 143 Chambers Street, New York, will be forwarded to them.

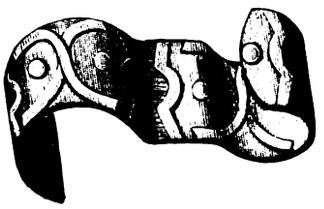
The Allentown Hardware Co., Allentown, Pa., have suspended under executions aggregating some $29,000. It is reported that the personal property and real estate will be sold and the company reorganized. An officer of the company states that difficulty in making collections was the cause of their suspension, and that the sudden death of the superintendent some weeks ago was a severe blow. The many friends of the officers and managers of this company will be pained to learn of this temporary misfortune which has overtaken them.

On Wednesday, September 29th, there will be a meeting of the Hardwaremen of North Dakota, for the purpose of forming a Hardware association. A circular issued by those having this movement in charge, asking the co-operation of the Hardware merchants of the State, was responded to by more than fifty per cent. of the same, who gave their unqualified endorsement, and promise of assistance to the movement. The meeting is to be held at Grand Forks.

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Christensen's Fancy Cabinet Hardware.

R. Christensen, No. 88 Chambers Street, New York, is engaged in manufacturing a full line of Fancy Cabinet and Gen-



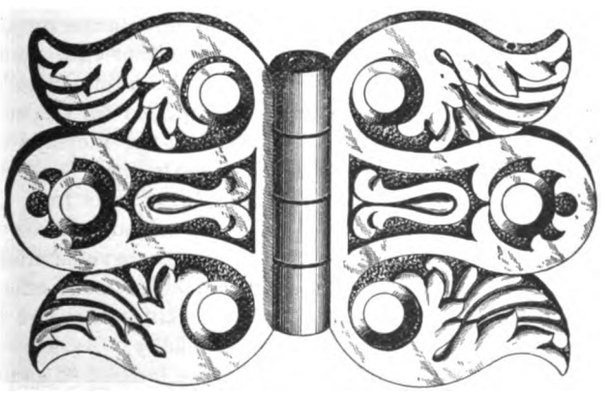
eral Hardware, some illustrations of which we present herewith, and which include in the assortment a line of wrought polished brass hinges, with brass pins, in all the many and



various shapes demanded by the up-to-date dealer; this line also embraces brass hasps and staples in large variety, cabinet and closet hinges, moulding hooks, draw pulls in



plain and ornamental styles, and such other articles of fine ornamental Hardware which are now used largely for cabinet ornamentation and interior decoration. Any of



these goods can be furnished in brass or bronze metal, oxidized silver and other modern finishes, to meet every possible requirement demanded by an exacting taste.

Death of Henry M. Lyon.

Henry M. Lyon, formerly of the firm of Sickels, Sweet & Lyon, died on Thursday, September 16th, at Ampersand, Saranac Lake, N. Y., in his 39th year. He was well known to the Hardware trade of this city and throughout the Eastern States, where his trade acquaintance was very extensive and of long continuance. He had been the junior partner in the firm of Loderback, Gilbert & Co., which was eventually succeeded by Sickels, Sweet & Lyon, where he remained until about a year ago, when ill health caused him to sever his business connections, and endeavor to regain his health by a permanent change in his immediate surroundings. He was supposed to be in a condition of physical improvement, which his friends rejoiced in seeing evidence of, when the sudden announcement of his death came in the nature of a surprise.

Mr. Lyon was a member of the vestry of Christ Episcopal church, Bridgeport, Conn., and was prominent in Masonic circles, being a member of Corinthian Lodge, Jerusalem Chapter and Council, Hamilton Commandery, K.T., and Pyramid Temple, Nobles of the Mystic Shrine of that city. He was also a member of Seaside Council, Royal Arcanum. The Hardware Club of New York; the Seaside Club and Algonquin Club, Bridgeport, also shared in the honor of his membership; he was one of the early vice-presidents of the latter.

Being a ready and fluent speaker, and possessing a pleasing presence, his abilities and grace of character made his society much sought for on every social occasion. His life endeared him to those who were so fortunate as to know him, and his death brings an individual sorrow which will never be forgotten.

As feelingly referred to by Mr. Sickels, with whom he was for many years connected in business, "his associates experience a sense of loss difficult to express, being deeper and more emotional than is usually felt for a business associate, for underlying the close companionship known to all of his business friends, there was a feeling of love for the individual which indicated the possession of highly magnetic characteristics which deeply endeared him to those about him."

Robert Edwin Dietz.

Robert Edwin Dietz, who died at Hempstead, L. I., Sunday, September 19th, was born on the 5th of January, 1818, in this city, on the corner of Spring and Crosby Streets, in a house built there by his grandfather, who came to this country during the war for the independence of the colonies, and who kept a tannery on the corner of Wooster and Spring Streets. He was also the first manufacturer of glue in this city, his glue works being located in Magazine Street, which is now that part of Pearl Street between Broadway and Chatham Street.

The subject of our sketch has not only been a life-long resident of this city, but an enterprising man of untiring energy. He had six brothers and three sisters, and survived them all, and during his life has seen many changes here. As a boy, he skated from North to East River over the frozen stream, which was where Canal Street now is. He has seen the immense growth of this city, and the different modes of transit changed from the slow stages to our horse car, cable, electric and elevated railroad systems. In 1836, at the age of eighteen, he started as a Hardware clerk with the firm of Woolf, Spies & Clark, who were then doing a large business in Maiden Lane. They were an old firm, having been established early in 1800 by C. & J. D. Woolf. Mr. Dietz was one of our oldest volunteer firemen, having served in the department from 1837 to 1842. He was a member of No. 9 Hose Co., which used to lay with "Lady Washington" No. 40 Engine Co. in Elizabeth Street, and outlived all his companion mem-

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bers of this company. He was a pioneer in the manufacture of artificial lights in this city, having commenced in 1840 to manufacture lamps, burners, gas fixtures, etc. He was a perfect encyclopedia on matters pertaining to the marvelous growth of this city. During his life he not only made a comfortable fortune for himself, but for more than half a century has given employment to hundreds of hands. When the famous opera singer, Jenny Lind, first appeared in America, the contract was awarded to Dietz Bros. & Co. to illuminate Castle Garden for the opening, and when the great showman, P. T. Barnum, opened his first museum on the southeast corner of Broadway and Ann Street, Dietz Brothers had the contract to fit it throughout with gas fixtures. When coal oil, or kerosene, first came in use, he and his brothers, in 1857, invented the first flat wick chimney burner. The "Dietz" burners had an extensive sale. About 1860 Dietz & Co. opened a branch house in London, England. In 1868 Mr. Dietz took up the manufacture of a new hand lantern called the Tubular. This style has largely superseded other kerosene lanterns, and to day is sold all over the world.

The present R. E. Dietz Co., of which R. E. Dietz was founder and former president, occupied, until its recent destruction by fire, a large building erected by him on Greenwich and Laight Streets, New York, with a branch house at Chicago, Ill., and at London, England.

Resolutions on Death of F. F. Stone.

At a special meeting of the Ohio Hardware Association, held at Sidney, Ohio, Thursday, September 9, 1897, the following resolutions on the death of Ferdinand F. Stone, of Urbana, Ohio, were read, received and adopted:

Whereas, It has pleased the All Wise Ruler of the Universe to remove from us by death, the grand, noble and generous-hearted F. F. Stone, a member of the Ohio Hardware Association; and,

Whereas, We recognized him while in life as an active, zealous and deeply interested member of our Association, having its interest and welfare nearest his heart, and, sympathizing with his prostrated and bereaved family, be it

Resolved, That in the sad death of F. F. Stone, the Ohio Hardware Association has lost one of its most useful, honored and respected members, whose untimely death has cast a gloom over the members of the Association, who will not only mourn his loss, but will ever keep green in their memories his frank, earnest work in the interests of the Association, and his genuine and courteous treatment of his fellow members.

Resolved, That we deeply sympathize with the stricken and bereaved family of the deceased, to whom he was a kind, affectionate and indulgent father and husband.

Resolved, That these resolutions be spread upon the minutes and that an engrossed copy, properly signed, be transmitted to the family of the deceased, and that the trade papers be requested to publish the same.

T. J. MORRIS—Lima.
M. V. MARQUIS—Bellefontaine.
W. H. ANGLE—Piqua.
G. B. HATFIELD—Troy.
H. G. WOODWARD—Sidney.
} Committee.

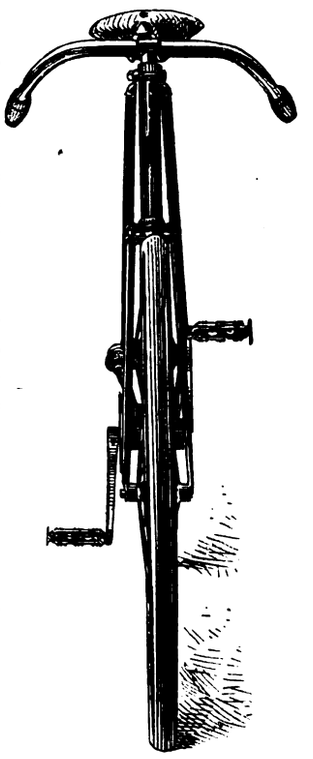
Important Cutlery Sale.

As will be seen by an announcement in another column, E. Bissell, Son & Co., No. 12 Murray Street and No. 15 Park Place, New York, announce by order of Charles J. Healy, who is retiring from the stock business, an auction sale of the entire balance of his stock of pocket and table cutlery and kindred goods. They will also offer for sale by order of Mr. Healy, as receiver, the balance of the stock of cutlery of the late firm of McIlwaine, Linn & Hughes, comprising a general assortment of pocket knives, scissors, razors, etc. They further announce that the sale will be worthy of the attention of the trade, and especially of all buyers of cutlery. This sale will take place on Wednesday and Thursday, September 29th and 30th, at 10 A.M. each day. Catalogues will be ready on September 25th, and will be mailed on application.

The Stearns Chainless.

The chainless bicycle has finally made a definite appearance in the United States. One large concern at least, E. C. Stearns & Co., have come out not only with an announcement that they are to make and sell a bevel geared chainless wheel in their line for 1898, but have issued for publication a complete description of the new model as it has been definitely decided upon by them. The accompanying illustration gives a fairly good idea of the external appearance of the new Stearns chainless. It is, in a way, a disappointment, for it is less bulky and awkward than it has been thought possible to build such a machine. In fact, it is graceful in its lines, and so far as its mechanism goes stands careful scrutiny in promising fashion. If the type is to prove practical, here certainly is a model which ought to stand the test.

E. C. Stearns & Co. say that they have decided to put a chainless Yellow Fellow out, after a series of experiments extending over several years, and what they claim for their design is that it is "the bevel gear so simplified that it can be assembled and adjusted by the average rider, and that the practical difficulties which concededly stand in the way of the perfect operation of bevel gears have been overcome by the simple devices which will be characteristic of our particular type of machine."



To best understand the new bicycle it must be mentally dissected, and to do this one has but to divide the driving mechanism into three parts, the crank hanger and its auxiliaries, the shaft which transmits the power from one set of gears to the other, and the rear hub and its attachments. In the chain driven bicycle there are but two sets of bearings in this part of the machine, those in the crank hanger and rear hubs. In addition to these in the new Stearns chainless there are two more sets upon which the bevel gears revolve. Beginning at the crank hanger, the power is applied to the cranks, the right hand crank being made integral with the one side of forward gear which corresponds to the sprocket on the chain driven bicycle. The gear of the bicycle is determined by the size of the side above referred to, and in the Stearns model a variation of from 68 to 80 is possible. The shaft which transmits the power to the rear wheel is not unlike an elongated rear axle. It has a bevel gear at either end, running on frictionless bearings, which may be adjusted to any degree of tightness or looseness or opened for inspection by simply unscrewing and sliding back the nickeled caps which are shown in the broadside engraving. The shaft proper runs through the right hand lower rear fork, thus keeping the tread of the bicycle substantially as narrow as in the chain driven type. The fourth bevel is integral with the rear hub, and here is an adjustment effected from the outside, so simple in its workings that the rear wheel may be removed quickly and readily. As shown in the illustration all the bearing parts are incased so as to be as near dust proof as possible, and it is claimed that the variation caused by wear will be so slight that it will not be necessary to adjust the wheel more than once a year. One of the several experimental machines has been run in

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the Stearns factory for three months, with dry bearings on a line shaft with 36 tons pressure. That it stood up through such a test the firm considers good evidence of its practicability.

The adjustment of the bevel gears allows a wide variation in the angles of contact. Normally the gears are ⅝ inch face and 10 pitch, and operate noiselessly; ¼-inch balls are used in the gear bearings and in the rear hub, and 5-16-inch in the crank hanger. The tread is slightly under 5 inches, and the weight of the machine is 25 pounds.

National Credit Men.

A meeting of the Board of Administration of the National Association of Credit Men was held on September 20th at the Manhattan Hotel, New York. The entire Board was represented either personally or by proxy, and matters of special importance occupied their attention for six consecutive hours.

The work of the various standing committees—Membership, Legislative, Business, Literature, Credit Department Methods, Investigation, and Improvement of Mercantile Agency Service, was very carefully discussed, and the plan of activity submitted heartily endorsed.

The secretary's report shows the organization to be in a flourishing condition, with an organized membership of 1746, or a gain since June, in spite of the withdrawal of the St. Joseph association, of 333, and an individual membership of 243, or a gain since June of 55, making a present enrollment of 1989.

One of the most important questions discussed was that of the best method of handling fraudulent failures, and after listening to a comprehensive plan, the following resolutions were unanimously adopted:

Whereas, Fraudulent failures constitute a serious menace to the mercantile community, and

Whereas, Such failures are as dishonest and reprehensible as any form of robbery, and the safety of the business public demand that all persons involved therein be brought to justice, therefore be it

Resolved, By the Board of Administration of the National Association of Credit Men that the plan of dealing with suspicious failures presented be, and the same is hereby approved, and the Board recommends that the proposition contained therein to select legal correspondents throughout the United States to act in conjunction with some well known detective agency in investigating such failures be especially emphasized in carrying out such plan, and be it further

Resolved, That the officers of the association, together with the Committee on Investigation, be authorized to make such changes and modifications in the plan presented as they may deem expedient.

This is a very advanced position which has now been taken up by the association, and it is certain to have a far-reaching influence in materially reducing this class of dealings. The Board also passed a resolution instructing the officers to incorporate the association under the laws of the State of New York. The resignation of the St. Joseph association which was presented owing to the attitude of the National organization in endorsing, at its last convention, the Torrey Bankruptcy Bill, was accepted. A letter was also read from Mr. Yale, president of the St Joseph association, disclaiming any intention whatever in forming another National organization, which action was widely intimated at the time when the association withdrew from membership.

It was the unanimous sentiment of all the members of the Board that very effective work will be done during the current year looking to the great improvement of mercantile transactions. At the invitation of President Cannon, the Board dined together at the Hotel Manhattan at six-thirty.

It is better to aim high in life, even if your shot does fall short of the mark.

Review of the Markets.

Hardware: The demand continues to be generally good in every section of the country, especially in the Western States, where, in many instances, business surpasses every previous expectation. The orders from that favored section of the country have been kept up, and while of fairly good proportions, begin to show some relaxation in frequency as the markets fail to show much of a tendency toward advanced prices. The desire is prevalent among the manufacturers to obtain a higher price, but beyond a stiffening up on current quotations the changes are not sufficient to startle any one.

Wire Nails: The sales of wire nails have been very satisfactory to date, and while they have been many in number the volume of nails distributed has been from stocks by no means large, the supply throughout the trade in jobbers' and manufacturers' warehouses being of limited proportions. The mills are asking $1.45 to $1.50 for carload lots f. o. b., with prospects of a still further hardening of price in the near future, as a number of mills are not in the market to any great extent. New York quotations are given as $1.60@$1.65 according to quantity.

Cut Nails: The market for cut nails is less in sympathy with wire nails than would be supposed, considering the sustained inquiry, with so little change in current quotations. Competition is of a conventional character, and prices remain as previously quoted, carload lots on dock, New York, being held at $1.33; smaller lots from store, $1.43 to $1.45.

Steel Goods: The associated manufacturers in this important line have just announced their discounts for the coming season, every evidence being had that with the prospect of a very prosperous year before them, the determination to work in harmony with each other is everywhere apparent. List prices recently prevailing will be retained, and the discounts agreed upon are indicated by the following quotations of the Iowa Farming Tool Co., Fort Madison, Iowa, which relate to the regular line of steel goods and other specialties of their manufacture:

FORKS.

	Discount, per cent.
Victor Hay	70 and 16⅔
" Manure	75 and 10
" Header	75 and 5
Columbia Hay	66⅔ and 20
" Manure	77½ and 2½
" Spading	66⅔ an 33⅓
Champion Hay	66⅔ and 25
" Manure	60, 16⅔ and 33⅓
" Header	75 and 5
Three-Tine Hay	60, 25 and 12½
" " Header	66⅔, 15 and 10
Four " Manure	55, 40 and 15
Five and Six-Tine Manure	66⅔, 20 and 10
Heavy Spading	60, 30 and 15
Jumbo "	72 and 15
Grain and Barley	60, 25 and 15
General Utility Vegetable, per doz, $12.00	

HOES.

Kretsinger's Cut-Easy Garden	$4.25
Crucible Socket Garden	50, 50 and 20
Corn and Garden	75 and 20
Mortar	75 and 25
Crescent Cultivator	$3.50 } Net.
Mattock	3.75 } Net.
Mattock Junior	3.50 } Net.
Planter	65⅔, 40 and 15
Cotton	65, 40, 10 and 2½
Dixie Tobacco	50 and 16⅔
Cotton Chopper	75, 20 and 15
Sprouting	$4.25 } net.
Scuffle	3.00 } net.

RAKES.

Prize Bow Steel	66⅔, 25 and 10
Peerless Shank and Socket	75 and 10
Toy Shank Steel	70 and 10
Malleable	70 and 10

HOOKS.

Manure Steel, four, five and six tine	50, 50 and 15
Potato " " " " "	75 and 15
Jumbo Drags	75 and 15

SHEPHERDS' CROOKS.	Per Doz.
American Heavy	$6.50
" Light	6 00

POKES, ANIMAL.

Western	$3.50
Hawkeye	3.00

GARDEN CULTIVATORS.

Victor Steel, three blades	$8.00

WALK CLEANERS.	Net.
Star Socket	$3.50
Star Shank	3.25
Challenge Shank	3.00
Scrapers	$1.75 to 2.50

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WEEDERS.	Discount, Per Cent.
Iowa Five Point Steel	75 and 5
" Round-Square, four and six point	70, 16⅔ and 5

In another column we give attention to the new catalogue of Van Wagoner & Williams Hardware Co., many of the list prices of which have been revised and the new discounts will be found below:

	Discount, per cent
American Spring Hinges, Japanned	20
" " " Bronze Plated, &c.	20
Gem Spring Hinges, Japanned	30
" " " Bronze Plated &c	30
Oxford Spring Hinges, Japanned	30
" " " Bronze Plated, &c.	30
Acme " "	30 and 5
Columbia Spring Hinges, No. 14, per gross pairs, $8 00	
" " " No. 18, " " $24.00	
" " " Bronze Plated and Real Bronze	50
" " " For Marble	25
Cambridge " "	25
Strikes	40
Crown Spring Hinges	30
Cabinet " "	20
Show Case Spring Hinges	30 and 5
Torrey Door Springs, 30-inch, per doz., $1.25	
Gem Door Springs	25
Star " "	33⅓ and 10
American Trackless Door Hangers	33⅓ and 10
Door Pulls	50 and 10
Domestic Blind Adjusters	33⅓
Unique " "	33⅓
Gem Wire Coat and Hat Hooks	70
" " Ceiling Hooks	70
Samson Anvils, 1 to 40 pounds	45
" " 250 to 500 pounds, per pound, 8 cents.	
Solid Box Vises	60
Boxes and Screws	25
Plain Parallel Vises	40 and 10
New Model Swivel Vises	40 and 10
Coachmakers' Vises	40
Oval Slide Vises	55

Linseed Oil: The Dean Linseed Oil Co., No. 181 Front Street, New York, quote prices as follows: In lots of less than 5 barrels, 39 cents per gallon; in lots of 5 barrels or more, 38 cents per gallon. Boiled linseed oil, 2 cents per gallon higher. Calcutta oil, 54 cents per gallon.

THE MINNEAPOLIS TRADE.

It has been some time since you have heard from us; it has not been on account of our being so busy taking in money realized from dollar wheat; but, as a matter of fact, we are already beginning to feel the good effects of higher prices for wheat, and we believe that prosperity, as far as our section of the country is concerned, has already come, and with reasonable prospect of remaining with us for some time to come; certainly the country tributary to these two cities is in a very prosperous condition. Jobbing houses in all lines report largely increased sales; in some instances the best business that they ever had. The draymen and transportation companies are employing all the extra teams that they can get to haul goods to the depots. Retail dealers generally, while not as busy as the jobbers, still report good business. While it is too late this fall to expect much in the way of increased sales locally in the builders' Hardware line, still there is considerable building going on, and more mechanics' tools being sold than for several years past. This of itself speaks volumes, as it shows that the mechanics are well employed, and have confidence enough in the future to warrant their taking a portion of their wages to buy necessary tools.

The lumbermen are quite pleased over the advance of about $2 per thousand in the price of lumber. Large logging contracts have been made, and in some instances men have already been sent to the woods much earlier than usual. There is no excuse for a laboring man here now to be out of work, for there is plenty of work and at good wages for all.

Nails are being held firm at the advance prices, and with the hope that corresponding advances will be made in other lines, such as screws, tacks, bolts, cordage and the general line of goods that are close to the raw material where prices have been exceedingly low. On the falling market that we have had for the past five years, it has been very difficult to make a profit, and we would like to see an upward tendency all along the line.

The gun and ammunition trade we understand has been very good here this season, an unmistakable sign of prosperity. Ducks, geese and prairie chickens will suffer accordingly; game of all kinds is reported abundant.

The State Fair just closed, and our usual fall carnival has brought enormous crowds to the twin cities; more money has undoubtedly been spent than in any former years.

W. K. MORISON & CO.

THE DAVENPORT TRADE.

Manufacturers are advancing prices slowly but surely. Jobbers are following suit as far as can be determined from travelers' reports.

Crops are safe from weather and frost. Prices of grain are still climbing the golden stairs. Prosperity received a hearty welcome on arrival and seems well pleased with the location and may settle here.

SICKELS, PRESTON & NUTTING CO.

THE PHILADELPHIA TRADE.

At the time our last letter was due for *Hardware*, we were engaged in a much more agreeable occupation, viz.: in fishing and sailing and having a good time generally, and while we may not have brought back the usual crop of fish stories, we have certainly returned with more vim and in better trim to meet the good times which we firmly believe are now on the way.

According to all reports, the Western jobbers are already feeling very decidedly the good effects of the new prices for farm products, and it is a consoling thought to Hardwaremen, who have suffered so long, and so much, from a falling market and continually lower prices, to see that the doctrine so often preached by economists that low prices are a benefit to the countrv is meeting with a most signal refutation, and that the whole country, without any regard to partisanship, rejoices at the increased prices now being paid for products of the farm, and is hopeful that the prices of other goods will advance also.

In the East the movement has been more gradual, but it seems to be none the less certain, and the money now be-



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ing paid out in the West for crops is bound to find its way to the manufacturing East before long, and being paid out in wages is sure to have an effect on the Hardware trade at large. Already the improvement is noticed, while prices are firmer in tone, and many extreme quotations are being withdrawn. The most noticeable advances so far have been wire nails, wire and bolts, but the higher prices asked for material must soon result in higher figures on all goods near the raw material.

Collections are fair, and it is hoped that now that the severe drain of the last few years is over, those who have so far weathered the storm, will be able to pull through with unimpaired credit. BIDDLE HARDWARE CO.

THE COLUMBUS TRADE.

Trade continues good, but collections are not what they should be. The mine operators are not running smoothly yet, and have not harvested any coal since settlement of the strike. Quite a number discount their bills, but a greater number take the full limit of time, and a good deal more; those are the ones jobbers have been carrying for four months and longer. The fall in the price of wheat has checked the sale of that product, and farmers who will pay as soon as they sell their wheat, are making their creditors wait until the price suits them, and as they are hard to suit, it may be like the man who went to a Quaker meeting—a long wait. We understand that the only fellow who has a kick coming this fall is the football player. So we can't kick, if we were so disposed, as we don't play football.

Nails and wire are considerably higher, and manufacturers are not filling orders promptly. The strikes at the Salem Wire Nail Works, both at Salem and Findlay, and also at the New Castle Mills, take about eleven thousand kegs a day out of the market, which accounts for the shortage in nails. This section of the country was blessed with a much needed rain last week, and since that time the weather has been as fine as any one could want. Corn is being cut fast, and that work is about over, and the green things that perambulate on two legs can go under cover. We think all danger from frost is past. We make it a point to get under cover early ourselves.

THE SMITH BROS. HARDWARE CO.

THE OMAHA TRADE.

Trade in all lines, at the present time, is unusually active and the Hardware trade is no exception to the rule. Forces have been increased and in many cases are putting in extra time in order to handle the volume of business which is very largely in excess of the corresponding period for several years past. The outlook for Fall trade was never more promising and the question arising is as to whether manufacturers will be able to supply the demands and the jobbers be able to secure sufficient supply of goods to satisfy the demands of the trade.

RECTOR & WILHELMY CO.

THE BOSTON TRADE.

Although we know little of the "boom" that has struck certain distributing centers, we do know that we are having a good September business, with a much better feeling than existed one year ago. Business conditions are certainly growing better, and all signs point to its continuance. We are thanking Congress that it adjourned, and only hope it might remain in its present state of quietude for months to come. Were it to convene just now we might be plunged into a "currency reform" which would shatter our present bright prospects, or a Cuban or Hawaiian scare could be manufactured that would give us a set-back from which it might take months to recover.

We are pleased to note the legitimate reasons for several advances made in iron and steel, and hope they may be

EMERY WHEELS

Fall into two great classes: Those in which the emery grains are bound together by rubber, those in which some other cement is employed. The rubber wheel does safer work and more of it than any other—why? After the emery and cement are mixed together, it is necessary in every case to dry out the compound. During the drying a shrinkage occurs. *Shrinkage does not crack rubber; it does crack all other cements more or less, and often in the interior of the wheel, where it cannot be detected.* Even with the utmost care and best intentions in the world, makers of this kind of wheel cannot help sending them out to their customers with hidden cracks. They are put into use and burst—with the usual results. **The Vulcanite Emery Wheel--made with rubber--does not crack, and is the only kind that is absolutely safe.** That's one reason for using it—in next "Hardware" we will give you another.

BELTING,
GARDEN HOSE,
WATER HOSE,
FIRE HOSE,
SUCTION HOSE,
STEAM HOSE,
AIR HOSE,
TUBING.

Chicago, . . . 143-145 Lake St.
Boston, ... 24 Summer St.
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St. Louis, . . . 210 N. 12th St.
Indianapolis, . 79 So. Illinois St.
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RUBBER TILING,
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EMERY WHEELS,
SPECIALTIES,
LEAGUE TIRES.

NEW YORK BELTING & PACKING CO. LTD

PIONEERS AND LEADERS, 25 PARK PLACE.

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WE MANUFACTURE

FIRE POTS, TORCHES, BRAZING MACHINES, CORE AND ENAMELING OVENS,

SELF-HEATING TAILOR IRONS,

Confectioners' Heaters, Bicycle Pumps, Wall Torches, &c.

Union Heater Supply Co.,* 91 Congress St. E., *Detroit, Mich.

maintained during the remaining months of the year. This means higher prices and better value for manufactured goods.

The demand for builders' Hardware shows that there are a large number of houses yet unfinished, and judging from the applications for building permits, this line of goods bids fair to remain in demand during the winter months.

Seasonable goods, axes, handles, skates, chains, etc., are moving well, and prices are being well maintained.

FRYE, PHIPPS & CO.

THE PITTSBURG TRADE.

The coal strike is over, and thousands of men at work trying to rush to market in two months what would ordinarily take four. This has a very beneficial effect upon business in this vicinity, and has shown it so in orders for tools, etc., during the past week. The general improvement over the western part of the country is working our way gradually. Our manufacturers feel it first and merchants next. We are pleased to see the stiffening prices in raw iron and its products. This will reach general Hardware before long, and help business greatly, as we all know how much easier it is to sell goods on a rising market. Having had to sell for years on a falling market, and take the loss of stock on hand at each decline, it will be quite an agreeable change.

With the improvement in business, it is to be hoped jobbing houses who have been doing business for years without reasonable profits, will cease senseless cutting of prices, and will ask a fair profit on their sales. Good years are scarce, and we should not forget it.

Weather conditions are favorable for fall trade, a welcome change from great heat having occurred last week.

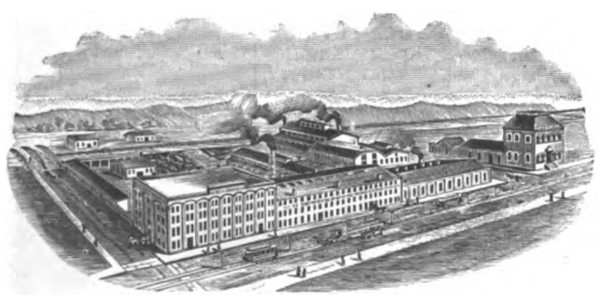
LOGAN-GREGG HARDWARE CO.

What a man shall reap in business depends upon what he shall sow.—*Hardware and Metal Reporter.*

Recent Trade Publications.

The Pelouze Scale & Mfg. Co., Chicago, Ill., have just issued their 1897-1898 catalogue of their unique scale specialties, which is the most important they have ever given the trade, and exhibits ample evidence of their having greatly enlarged their manufacturing facilities and increased their novel line. It now embraces postal, counter, family, confectionery and hanging scales, making an assortment well worthy of the attention of all Hardware dealers. Among the scales of novel construction and special uses, we notice the "Ideal" No. R 1, specially made for weighing seeds, tea, etc., requiring fine weighing, from ⅛-ounce to 1 pound; also the "Victor" postal and merchandise scale, weighing from ½ ounce to 1½ pounds and giving the exact cost of postage in cents on letters, books, merchandise and newspapers. Their line of postal and merchandise scales is quite extensive and should meet with a ready sale, as they fulfill every possible requirement in these important departments. They also make a "Mercantile" equivalent scale, which will give the weight of any article from ½ ounce to 2 pounds, and at the same time gives the weight of same article by the dozen, gross or thousand, making it extremely useful in the warehouse or sample room where weight of samples is required on underwear, stockings, etc., for comparison in ordering. Catalogue will be furnished upon request.

Van Wagoner & Williams Hardware Co., Cleveland, Ohio, and No. 14 Warren Street, New York, have issued under date of September, 1897, a new catalogue of their many specialties, making a very complete pamphlet of 80 pages, fully illustrated and well printed on excellent paper. It is very important that the Hardware trade, who for so many years have been steady patrons of this company, should be in possession of this catalogue, for it contains numerous changes in list prices, and their discount sheet shown in our "Review of the Markets," names in many cases prices that have been materially reduced. The



WHERE BOOMERS ARE MADE.

EVERY ARTICLE

of our make bearing the name Boomer is guaranteed FIRST CLASS in every respect.

BOOMER FURNACES

SUCCESS BOOMER, BOOMER OAK,

BOOMER STEEL RANGE, BOOMER CANNON STOVE.

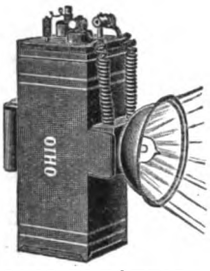
When wanting a Furnace or Stove why not buy one that has been thoroughly tried and tested.

HESS, SNYDER & CO., Mfrs.,

MASSILLON, OHIO.

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WE UNDERSELL ALL.
It gives a Light that's White and Bright,
And two cents is the cost per night.



Bicycle Elec. Lights.	$4.0
Necktie Elec. Lights.	1.50
Edison Elec. Motors.	1.00
Battery Fan Motors.	5.00
$8 Medical Batteries.	3 9
$100 Bicycles, best make	39.00
$1.25 Bicycle Bells....	.50
Electric Bells, finest.	.30
Dry Batteries, best..	.25

Discount to Dealers.

Our Bicycle Electric Ligh is the best thing that ever happened. . . . .
Catalogues free.

OHIO ELECTRIC WORKS, CLEVELAND, O.

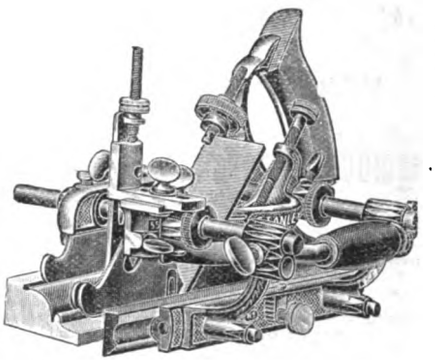
STANLEY'S
UNIVERSAL PLANE.

INCLUDING :
Moulding Plane, Match, Sash, Chamfer, Beading, Reeding, Fluting, Hollow, Round, Plow, Dado, Rabbet, Filletster and Slitting Plane.

No. 55. Universal Plane, $16.00
WITH 52 CUTTERS.

☞ The Plane is Nickel Plated; the 52 Cutters are arranged in four separate cases; and the entire outfit is packed in a neat Wooden Box.

SOLD BY ALL HARDWARE DEALERS.



extensive plant now controlled by this leading manufacturing house is well illustrated in a series of six half tone pictures, which form a prominent feature among the opening pages. Among the valuable specialties which have long been leading goods in the trade, are shown the American Gem and Oxford single and double acting spring hinges. The company have added to the line, the "Cambridge" Spring Hinge, especially designed to bolt on marble for water closet doors, hotels, office and public buildings, and the "Advance," which is the latest of the "holdback" variety, and presents a pleasing appearance, indicating strength and solidity. Their other "holdback" spring hinges, the Knoxville and Success, are handsomely illustrated, and so is their well known Columbia line, which, with the Crown and Acme, still retain their old time popularity. Embraced in a number of pages are their well known Gem and Star Coil door springs, their "Trackless" sliding door hanger, and the assortment of Gem steel wire coat, hat and ceiling hooks, etc., etc. Their heavy goods cover a number of pages, which include Samson anvils, solid box, machinists,' farmers' and coachmakers' vises, to the uniform excellence of which lines the trade can bear substantial witness, while the remaining contents of the book illustrate admirably their assortment of hammers, sledges, mauls, wedges, etc. The catalogue will be found a useful one for the trade, and will be forwarded upon request to the company at either address.

Simmons Hardware Co., St. Louis, Mo., catalogue No. 280, covering an extensive assortment of reed furniture, manufactured expressly for that company. It forms a pamphlet of 44 pages, oblong in shape, 7½x11 inches, and apparently embraces everything in reed goods of a desirable character. The illustrations which crowd every page with interest are excellent, and the compilation reflects credit on the catalogue department.

The Slaymaker, Barry Co., Connellsville, Pa., have just issued their catalogue No. 20, which is the most ambitious volume they have ever published, forming a handsomely bound volume in half morocco, with cloth sides, consisting of 350 pages, 9x12 inches in size, on good paper, and with excellent engravings. In addition to their very large line of padlocks, which have previously been the most noted product of the company, they show in this catalogue a full line of builders' Hardware, door locks and latches, butts, knobs, escutcheons, bolts, bells, etc., which present features of interest and importance.

White & Conant, Worcester, Mass., offer their Hardware stock and fixtures for sale. Any party who wants a good thing for cash can obtain particulars by seeing or addressing them.

Help Wanted.

A FIRST class heavy sheet iron worker, who understands the laying off difficult patterns, and who can work well on high structures, and, if necessary, take charge of a gang of men. DOW WIRE WORKS CO., Louisville, Ky.

Situation Wanted.

WANTED position as clerk, salesman or stockkeeper, or would offer a special line on commission; has eighteen years' experience in the wholesale and retail Hardware, cutlery and guns; was ten years with last employer. Age 35 years. Best references Address "JOHN" care HARDWARE, No. 143 Chambers Street, New York.

WANTED position by a practical metal pattern maker in all its branches, good all around mechanic on lathe and vise, fair engraver, steady and sober. can give reference; for further particulars, address G. G., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

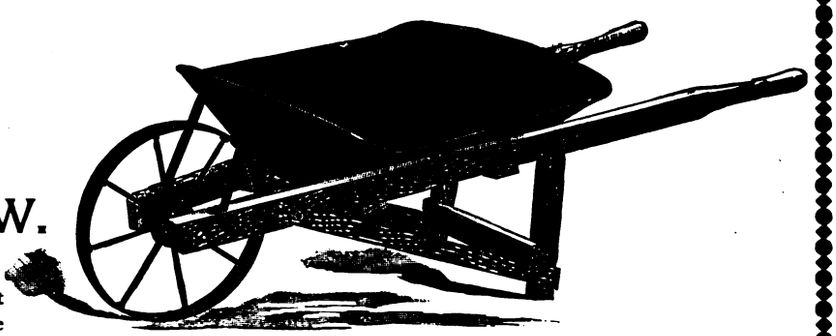
SALESMAN visiting jobbing Hardware trade in Canada desires good line of goods on commission. Address N. M. 503, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

SALESMEN wanted calling on the Hardware trade to handle our line of high grade lubricating oils, greases and specialties as a side line. Liberal terms to reliable parties. Address THE A. F. VOAK OIL CO., Cleveland, Ohio.

PAN-AMERICAN R. R. BARROW.

With Round Steel Spoke Wheel The most durable, lightest and best barrow made. Used all over the world. Barrows for all purposes.



Write **THE KILBOURNE & JACOBS MFG. CO.**
COLUMBUS, O., U. S. A.

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Seymour Cutlery Co., ESTABLISHED 1839.

—SUCCESSORS TO—

HENRY SEYMOUR CUTLERY CO.,

Office and Factory, Holyoke, Mass., U. S. A.

Seymour Shears ARE THE STANDARD.



- Every pair is fully warranted and if found imperfect from any cause will be replaced with perfect shears.

No commission house is sole agent for the SEYMOUR SHEARS.

- Notice our imprint on every paper pocket inclosing shears.
- Write for Catalogue and prices.

OILERS

25c.



Highest Grade Oiler.

DOES NOT LEAK.

Regulates supply of oil.

A little higher in price but,—

10c.



The Best Medium Grade Oiler.

Made in best manner possible.

Second to none but the "Perfect."

CUSHMAN & DENISON, Mfrs., 172 9th Ave., N. Y.

Prussian Railroads.

J. C. Monaghan, U. S. Consul at Chemnitz, Prussia, has this to say regarding Prussia's railroad earnings: State ownership of railroads plays a very important part in Prussia's finances. Earning enormous sums, serving commerce and manufacturers in times of peace and all strategic purposes in times of war, they have more than justified the arguments that urged the Government to own them, and the liberal policies that constructed and developed them in all parts of the Empire.

"The real value of railroad statistics is not evident till one takes up the net gains. These, in the last estimate, were 436,000,000 marks ($103,768,000). Out of this surplus, 217,000,000 marks ($51,646,000) go to pay interest, bonds, etc., leaving 219,000,000 marks ($52,122,000) to be employed as the Government may deem best in other departments. The budget estimates of all other Government expenses amount to 480,000,000 marks ($114,240,000). After covering their own expenses, Prussia's railroads supply 46 per cent. of this amount. No other branch of public property pays so surely and so well. The certainty of the receipts, the amount, the ease with which they are obtained, and their cash character render them the most useful of all the moneys turned into the public treasury. Whether the railroads are managed more successfully than they would have been under private ownership it is hard to say. The State has had its hand on the roads from the very beginning. Seeing how they would aid armies, and also how necessary they would be in the new era opening up to the Empire, the Prussian government did not hesitate to take the management of the railroads. Their quasi-public character has helped the people to understand that they should be controlled, if not owned, by the State. The tendency all over the Empire is toward State and city ownership of all kinds of transportation facilities, roads, railroads for steam, horses, electricity, etc., as well as telephones, telegraphs, and other means of communication."

After a somewhat extended vacation, the man at the "Corner Desk" in the Hardware establishment of the W. Bingham Co., Cleveland, Ohio, is at it again. Under date of September 1st, his communication again appears for the interest and instruction of the Hardware trade in that section of the country. This little sheet is written and managed by J. B. Comstock, who wields a ready and facile pen, and who knows what the trade are in search of at each season of the year.

The Higgins Mfg. Co., Winchester, Mass., are introducing a line of 1898 bicycle specialties that deserve the attention of the trade. These include flat toe clips, wire toe clips, bicycle racks, saddles, etc. They also make tack claws and other Hardware specialties. They have recently issued a neat little catalogue of their bicycle sundries, and will be pleased to send it, with prices and other details, on application.

DON'T FORGET US!

WE WANT YOUR "ORDERS."

Shafts, Poles, Rims, Bows, Cross Bars, &c.

OUR | O. S. G. | BRAND

Our large number of ORDERS convinces us that the WORLD appreciates our

HIGH QUALITY AND LOW PRICES.

OUR PLEASURE TO QUOTE OR ANSWER AN INQUIRY.

GEO. S. PARKES & CO.,

NASHVILLE, TENN.

BOX STRAPS.

Every Kind Made of Metal.

QUINCY HARDWARE MFG. CO.,

Quincy, Ill.

IS A GOOD ONE.

Morgan & Wright, Chicago, Ill. [*Bicycle Tires*]: There can be no question about the advisability of using the Hardware trade as a means of disposing of bicycles and bicycle parts, and as to the efficiency of HARDWARE, we can only say what we would say in reply to an inquiry from any other publisher, i. e., we have no direct means of knowing whether our "ads" do us good or not. If we insert an "ad," it is on our judgment that the publication is a good one.

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THE BEST IN THE CITY.

Deposit your Securities and Valuable Papers and Silverware in the new vaults of

National Safe Deposit Co.

OF NEW YORK.

THE MUTUAL LIFE BUILDING,
32 Liberty Street, New York.

Safes $5.00 per Annum and Upwards.

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The Mutual Life Insurance Company

OF NEW YORK,

RICHARD A. McCURDY, President,

Is the Largest Insurance Company in the World.

The Records of the Insurance Department of the State of New York SHOW THAT The Mutual Life

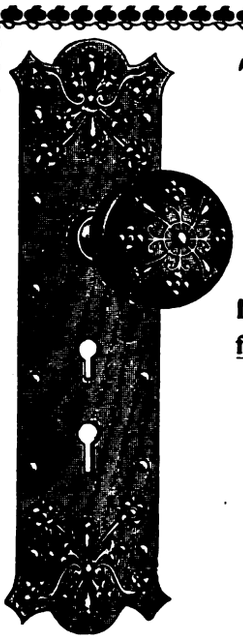
Has a Larger Premium Income,	($39,000,000)
More Insurance in Force,	($918,000,000)
A Greater Amount of Assets,	($235,000,000)
A Larger Annual Interest Income,	($9,000,000)
Writes More New Business,	($136,000,000)
And Pays More to Policy-holders,	($25,000,000 in 1896,

THAN ANY OTHER COMPANY.

It has paid to Policy-Holders since its organization in 1843, ($437,005,195.29)

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Trilby Design

(Wrought Bronze)

In Old Copper finish is a favorite for

Front, Vestibule,

Inside, and Sliding Door

Sets Complete.

Bell Pushes, Etc.

NORWALK LOCK CO.,

Manufacturers of **Builders' Hardware,**

Factory and General Offices,
SOUTH NORWALK, CONN.

SALESROOMS:

NEW YORK, 80 Chambers St., or
94 Chambers St., (UNDERHILL, CLINCH & CO.)
BOSTON, 200 Franklin St. (CHAS. A. CUNNINGHAM.)
CHICAGO, 36 Dearborn St.
BALTIMORE, 32 Hopkins Place. (HENRY KEIDEL & CO.)
PHILADELPHIA, 13 North Sixth St. (HERY A. TERRY.)

To Bicycle Riders.

WE MAKE OUR TUBE
OF FIFTY CARBON STEEL

Because a Tube like this of our Is just as strong as a Tube like this of

.50% CARBON STEEL

.25% CARBON STEEL

While
weight for weight in a Bicycle our FIFTY CARBON Steel will last so long

[redacted]

and TWENTY-FIVE CARBON Steel will last only so long [redacted]

NOTE THE FULL IMPORT OF THE PARALLEL LINES.

The comparison which they graphically make indicates the result of the prolonged investigations of the most practical experts of the world.

That the tests in our own laboratory coroborate these results is merely so much to its credit; that the same is true of actual trial on the road equally proves the trial to have been made in bicycles of correct design and construction. THE FACT REMAINS.

The margin of safety is greatly increased by the use of this tube. Every bicycle manufacturer should use it; every dealer should insist on having it; every rider should demand it. Send for catalogue.

THE POPE TUBE CO., Hartford, Conn.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Anniston, Ala.—L. M. Burns, of the old firm of Burns and Hussey, has gone to Columbus, Ga., where he will establish a business for the sale of crockery, tinware, etc.

Barrytown, Mich.—S. S. Wilson.

Chicago, Ill.—The Chicago Stove Board Co. has been incorporated by William M. Gager and others to deal in stove boards. Capital stock, $2500.

De Land, Fla.—R. D. McDonald has opened with A. E. Gleason as manager.

Durand, Mich.—D. Deveraux will open on West Main Street.

Hamlet, Ind.—P. Roose will soon open.

Kalkaska, Mich.—H. Price has formed a partnership with T. D. Hobbs in the Hardware business.

Milford, Del.—T. D. Pierce will open in the old Herald building.

Minneapolis, Minn.—The Gardner-Warner Hardware Co. has been incorporated by H. B. Gardner, F. R. Warner and S. M. Davis. Capital stock, $50,000.

Montreal, Can.—Herbert Laurent.

Peoria, Ill.—The Kingman Implement Co. has been incorporated by Martin Kingman and others. Capital stock, $200,000.

Pittwood, Ill.—Lyman & Clawson have opened a new store.

Shoals, Ind.—Johnson & Chenoweth have opened a new agricultural implement and builders' Hardware business.

Tyler, Texas.—The Caspary Hardware Co. has been chartered by C. L. Caspary, J. S. Fletcher and J M. Jessup. Capital stock, $20.000.

Changes and Removals

Algonquin, Ill. — Lamson & Henning, Hardware, etc., reported to have dissolved partnership.

Atlantic City, N. J.—William Bowler will occupy his new store on Atlantic Avenue by September 15th.

Detroit, Mich.— Mrs. William Horning has purchased a half-interest in the Hardware store of H. H. Herrendeen & Co. at Big Rapids.

Helena, Mont.—The A. M. Holter Hardware Co. has bought the stock of the Montana Photograph Supply Co.

Holgate, Ohio.—Rothenberger Bros. contemplate purchasing the Hardware and farm implement stock of the Fast Hardware Co.

Lake Charles, La.—Loxley-Martin Hardware Co., reported to be in liquidation.

Lebanon, Ind.—Bell, Perkins & Co. W. A. Bell has withdrawn. The firm name hereafter will be Perkins & Co.

Lockwood, Mo.—Bird, Thumser & Co., Hardware, etc., reported to have been succeeded by McDermid & Thumser.

Mankato, Kan.—The first building stone laid in the past four years in the construction of a business house in this city was laid here recently. R. Hanna & Sons have begun a 50x100 feet store addition to their Hardware store. They will put up a two-story, 50 x 100 feet, making a building 100x100 feet. The main building will be two stories high, while the addition will be but one.

Mansfield, Ohio. — Gorton Bros., have purchased the Hardware store of Shelley, Crummey & Co.

Manton, Ill.—H. Schraeder, business purchased by A. P. Farley, who will continue the business.

Manton, Mich.— Ballard & Phelps dissolved partnership. Mr. Ballard continuing the business.

Mishawaka, Ind.—J. Hartman, stock purchased by Mr. Roose, of Hamlet.

Minneapolis, Minn.—Two of the larger agricultural implement houses of the city are to have enlarged quarters this fall. Dean & Co.—the concern headed by W. J. Dean, one of the oldest implement men in the Northwest—is to occupy the new warehouse at the corner of Washington and Third Avenue N. The other concern which is to increase its facilities for doing business will be Bradley, Clarke & Co. This concern, which does a large business in agricultural implements and machinery, is about to build an additional warehouse alongside the present quarters at Nos. 227-229 Fifth Street N. The new building will be uniform with the present four-story brick structure, and will cost about $15,000.

Montpelier, Ohio.—D. M. Marshman has sold his Hardware stock to the Montpelier Hardware Co., and for the present J. D. Hill will be manager of the concern. It is expected that the stock will soon pass into other hands who will continue the business at the old stand as heretofore.

Nashville, Mich.—F. T. Boise has sold out.

Nevada, Iowa.—J. W. Kinsell has sold his stock of Hardware to King & McArthur.

Ney, Ohio. — Ed. Bergman, Hardware dealer, contemplates erecting a larger store.

Norfolk, Neb.—A. J. Durland has been succeeded by O. D. Hamstreet.

Paterson, N. J.—The Hardware business of the estate of George Christie has been removed from Main Street to the Hall Building, corner of Washington and Fair Streets.

Pecatonic, Ill.—M. E. Smith, Hardware has sold out to the Eugene Real Estate & Investment Co.

Rahway, N. J.—The stock of the Mead Hardware Co. has been purchased by Abram A. Whitenack, with whom will be associated under the new firm name, Edward A. Marsh, as partner. The firm name has not yet been fully decided upon. Mr. Whitenack has been the manager of the Mead Hardware Co. several months, and as such has given ample evidence of good executive ability, and Mr. Marsh is also favorably known to the many customers of the same concern.

Richmond, Va.—W. E. Leidy, Hardware, stock has been sold by auction.

Rock Island, Ill.—Baker, McNeil & Sessler, J. M. Knox has purchased the interest of Mr. McNeill. The business will hereafter be conducted under the name of Baker & Knox.

Sandusky, Ohio.—F. Graves has retired from the Hardware business of Foster & Graves, and has been succeeded by J. H. Smith. The firm name will now be Foster & Smith.

Severy, Kan.—Job Evans & Son have been succeeded by M. J. Bidwell.

St. Albans. Vt.—Folsom & Morton have dissolved; C. H. Morton retires, and the business will be continued by H. G. Folsom & Co.

Tampa, Fla.—Notice of a very important business change was given recently by which the Hardware firm of Knight & Wall becomes a corporation and will be known in the future as the Knight & Wall Co. The capital stock of the company is $100,000, divided into shares of $1000, all of which are taken, the incorporators being H. L. Knight, C. L. Knight, Perry G. Wall, Jr., J. Edgar Wall and I. S. Craft. The company will be managed by practically the same people, H. L. Knight being the first president and Perry G. Wall, Jr., being the general manager and treasurer.

Tuscaloosa, Ala.—The Snow Hardware Co. is enlarging its cotton mill plant.

Tuscola, Ill.—Bagley Bros. will remove their store to larger quarters on Central Avenue.

Van Buren, Ind.—J. Horsman has purchased the A. J. Barnes Hardware store.

Washington, D. C.—Chas. E. Hodgkin, No. 913 Seventh Street, disposing of stock of Hardware.

Wymore, Neb.—Lewis Bros., succeeded by Stephenson & Sunderland.

Business Embarrassments

Caledon, Ont.—D. J. Dow; reported to have made an assignment.

New York, N. Y.—Daniel H. Waring and John W. Stantial, dealers in Hardware at No. 1400 Third Avenue, made an assignment to Frank M. Tichenor.

Redlands, Cal.—Ira H. Stoughton, reported to have filed petition in bankruptcy.

Recent Fires.

Alvin, Texas.—W. H. Nash & Co., Hardware and furniture store, on Hardie Street, destroyed by fire, at a loss of $18,000. Insured for less than half that amount.

Ina, Ill. —J. O. Calvin, Hardware, reported burnt out.

Lancaster, N. Y.—William Delzer's store damaged by fire. Total loss, $2500.

Milford, Kan.—J. Rudolph & Sons, burnt out.

New Straitsville, Ohio.—John W. Jones, dealer in Hardware and lumber, damaged by fire. Total loss $2000. Not insured.

Ortonville, Minn.—E. C. James, Hardware, damaged by fire.

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Benfield & Milne Mfg. Co.,

MAKERS OF

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Iron Enameled Signs, White Ground, Black and Gold Letters—for Doctors—Lawyers—Hotels—Etc., Etc.

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Hand or Power
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Self Feed

ALSO . . .

Silver's OLD LINE Hand Drills.

Silver's Power Post Drill

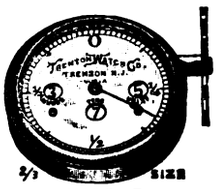
Cut Gears, Lever Feed, 19 inch Swing

Silver's Power Base Drill,

Cut Gears, Combined Lever and Wheel Feed, Round or Square Base, 20 inch Swing. . .

The last two drills are supplied with counter-shafts, and are suited for new work or repairs.

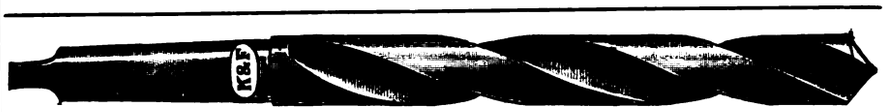
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Should ask their jobbers for revised prices on Model F—1,000 mile "Midget" Cyclometers. Registers 1,000 miles and repeats. *Price $1.00.* You can make money on them, as they out-sell larger models.

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Incorrodible Steel Hitching Post, ornamental and lasts a lifetime.

Automatically takes up slack of chain.

Freedom and comfort for animal. Safety and security for owner.

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I have just completed one of the largest and finest lines of CORN HUSKING PINS ever invented or offered to the trade. Patents pending, with new ones to go in. Will sell, let on royalty, or will go in with some good responsible company to manufacture same. A good thing. Don't miss it.

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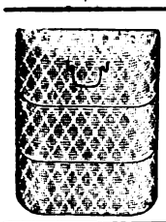
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This is a One (1) Station Watchman's Clock. Price, with 600 paper dials, complete, - $17

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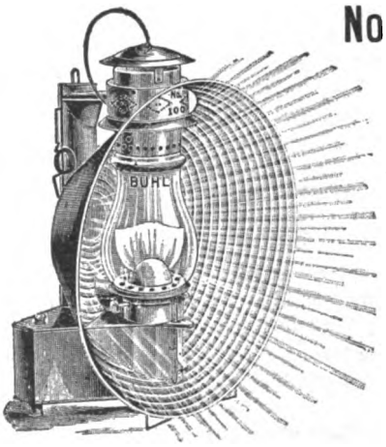
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have done all my patent soliciting work, both for this and foreign countries continously for the past fourteen years.

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No. 100 Buhl Tubular Headlight.

This remarkable Lantern will burn 48 Hours in Wind or Rain, on Land or Water. . . . .

16-inch Hood, 7-inch Nickeled Brass Reflector.

6 IN A CASE.

LIST, PER DOZ., $30.00.

BUY BUHL LANTERNS
BUHL STAMPING CO.
BURN BEST
DETROIT, MICH.

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Baltimore, Md.—The Standard Mfg. Co. was incorporated recently, with a capital stock of $25,000, by David E. Evans, John H. Rothert, Jacob W. Hook, Alexander Sternberg, Charles Howard Hook, Robert M. Spedden and Walter Snyder. The company will manufacture fittings and other plumbers' supplies.

Chicago, Ill.—The Parkhurst-Wilkinson Co. has been incorporated by A. J. Eaton and others, for the purpose of manufacturing Hardware, etc. Capital stock, $300,000.

Cortland, N.Y.—Cortland Carriage Goods Co. has been incorporated to manufacture carriage and bicycle goods, carriage and saddlery Hardware, stamped ware and forgings; capital stock, $100,000; directors, E. H. Brewer, E. A. Brewer, D. H. Brown, M. W. Brown and Andrew Ainslie, of Cortland.

Cleveland, Ohio.—The United Blue Flame Oil Stove Co. has been incorporated by W. R. Jevons, A. J. Blockford, D. A. Dangler and others, with a capital stock of $10,000.

Hoboken, N. J.—The Hoyt & Grabhorn Co. has been incorporated with a capital stock of $25,000, and a paid up capital of $2500. The company is to manufacture tools and similar implements. The incorporators are: Arthur S. Hoyt, of Westport, Conn.; Alexander Grabhorn, of Hoboken, and Frederick K. Farr, of New York.

New Hartford, Conn.—H. Chapin's Son Co. has been incorporated by H. M. Chapin, Pine Meadow; F. M. Chapin, Pine Meadow; S. M. Jones, Englewood, N. J., and others, for the purpose of manufacturing wooden and metal articles. Capital stock, $60,000.

Rochester, Pa.—The Rochester Olive Stove Works Co. is erecting a large brick addition to their works.

Improved Conditions.

Berlin, Ont.—A representative of the Boss Washing Machine Co., of Cincinnati, Ohio, was in town recently, and in an interview with some of the business men stated that if circumstances were favorable it was quite probable that the company would locate here in the near future.

Birmingham, Ala. — The Birmingham Rolling Mills, which have been idle since July 1st, have resumed work, employing 1500 men. The Tennessee Coal, Iron & Railroad Co. blew in another furnace at Oxmoor recently, making the fifteenth furnace now in operation in this district. This is the largest number of furnaces in operation for five years, with a united daily output of 2600 tons of pig iron. Not since 1892 have the industries of Alabama given employment to as many men as now.

Buchanan, Mich. — The Rough Bros.' wagon works plant was sold recently to the National Manufacturing Co., of Milwaukee, Wis. The plant will be started at once in the manufacture of furniture and Hardware specialties and will employ 200 men.

Chicago, Ill.—The McCormick Harvesting Machine Co. have commenced the erection of a five-story and basement brick foundry, boiler, and machine shop. The buildings will be erected at Western and Blue Island Avenues, and are to cost $100,000.

Cleveland, Ohio.—The Cleveland Hardware Co. is now employing about 600 men, while a year ago there were scarcely 200 on its pay roll, and the works were being operated only about two days in the week. Now, in order to keep pace with the immense demand for material from the country, it is often found necessary to work at night.

Cleveland, Ohio.—The Cleveland Rolling Mill Co., whose gigantic plant is located in Newburg, a suburb of Cleveland, is now running full force and on full time, after a shut-down lasting nearly two years. The orders on which this great mill activity is based are not a few big jobs, but a multitude of pieces of small business.

Dubois, Pa.—The new Dubois Iron Works have been put in operation. The plant was erected this season by John E. Dubois, and will employ from 250 to 300 men when completed. The building is of brick and stone, 500x80 feet. A blacksmith shop and foundry will be attached, and the plant, when fully equipped, will cost probably a quarter of a million dollars. The motive power will be furnished by a gas engine.

Greenville, Mich.—The Ranney Refrigerator Co. will resume operations at once, after a shut down of four weeks. The factory will be run on full time and with 130 men. The season last year was very successful, the company having placed nearly 30,000 refrigerators on the market.

Hamilton, Ohio.—The Hamilton Ice Tool & Construction Co. has decided to locate at Libertyville. Work on the erection of a building 80x150 feet will begin soon.

Indianapolis, Ind.—The Marion Fruit Jar Works have resumed work after a several weeks' shut-down. The stamping works connected therewith have also started up, altogether giving employment to 400 people.

Kalamazoo, Mich.—The Kalamazoo Co. contemplates removing its large agricultural implement factory to Benton Harbor, and will commence manufacturing the latter part of this month.

Moline, Ill.—The Moline Plow Co. has started up its works with a force of 500 men, which will be increased to 900. The grinders, who went on strike shortly before the shops closed down last June, have returned to work. The company has extensive additions to its already immense establishment well under way. All the factories in Moline are now running with a stronger force than at any time during the last four years.

New Haven, Conn.—The outlook from a business standpoint for the coming fall and winter is one of encouragement. Manufacturers have always felt the impetus of better times. Sargent & Co. are running about 2000 hands, their full complement being about 2500 when times are good. Orders are coming in and their foundry department is quite busy with good prospects for the future.

North Tonawanda, N. Y.—Furnace B of the Tonawanda Iron & Steel Co.'s big plant here will be put in blast again just as soon as the coal strike is settled and a supply of coke can be secured. President Rogers says that the furnace would have been put in blast again some time ago had it not been for the scarcity of coke. Between 200 and 300 men will be added to the company's pay roll as soon as the furnace resumes, and the total number of men then employed will be about 500.

North Tonawanda, N. Y. — The Horix Mfg. Co., of Cleveland, Ohio, is the latest addition to the firms of this city. The Cleveland Co. has leased the old Carbon Works and will take possession at once. The company has a paid up capital stock of $25,000. It will fit up the plant secured here for the manufacture of water filters, and will also branch out into the manufacture of household novelties. The company will employ 40 men at the outset, and will soon increase that force to 70 if business warrants it. The new concern will secure Niagara Falls power at the first opportunity.

Portland, Conn.—The Pickering Governor Co., which has been located in this town for the past thirty years, has decided to move from this place to some larger city where the facilities for shipping goods are better. The news is followed by the announcement that the company will locate in Hartford. Vice-president John H. Hall, of the Colt Patent Firearms Co., is president of the Pickering Co., and after its removal the business of the company will be carried on in the Colt firearms factory. This means the addition of a large and thriving industry for Hartford—one that will count for something in the city's growth.

Racine, Wis.—The Racine Hardware Co. is busy at present turning out school furniture. They are running on full time and with a complete number of hands.

Warren, Ohio.—The Falcon Iron & Nail Co.'s sheet plate and puddle mills at Niles have been started. The mills employ about 500 men. Fires were started as soon as the scale was signed.

Williamsport, Pa.—N. W. Fredericks, E. D. Geary and Councilman Allen Xander, of Lock Haven, recently purchased the nail mill property in that city. The owners will rent the machinery and power on reasonable terms to any industry that may want to use them. If no industry can be secured, the new owners may start an industry of their own.

Recent Embarrassments.

Allentown, Pa.—The Allentown Hardware Works failed on an execution in favor of the Lehigh Valley Trust & Safe Deposit Co. for $16,000 and E. H. Reniger, trustee, for $13,000.

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Is the Cycle Lamp for '97.

None as handsome, as practical, nor as thoroughly and honestly made. Throws a powerful, broad light, having a **3-inch optical ground double convex lens.** No lamp so easily cleaned. Has removable top burner and reflector, removable and **reversible oil pot.** The only lamp made with a positive wick-locking device—it acts on the ratchet. Your dealer should have them; until he has will send, carriage paid, for **$3.00,** to any part of the United States.

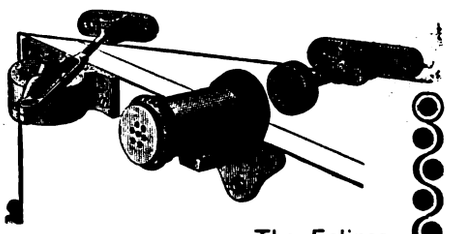


Rigid Bracket, adjustable to either Post or Fork; Ball and Socket Joint, 50c. extra.
Absolutely Wind Proof.
Will not Jolt Out.
No Solder to Melt.
Fills on Outside Oil Fount.
Solid Brass, Heavily Nickeled.
Burns Kerosene in Packed Fount.
No Splashing.
Handsome Side Lights.

5½ INCHES HIGH.

New York. Boston. Chicago. **PLUME & ATWOOD MFG. CO.** FACTORIES: Waterbury and Thomaston, Conn.

Not an experiment.



The Eclipse Door Check and Spring has been in use for years, and in all parts of the world, and is giving satisfaction everywhere. It is not an experiment, but has stood the test of time. The Hardwareman should get his profit at this season of the year by selling this noiseless door-closing device. It is easy to apply, easy to keep in order, and it is profitable to the dealer. Send for booklet with reduced prices for this season.

Sargent & Co., Manufacturers,
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STEEL OILERS

Lamps, Engineers' Sets, &c.

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The Wilmot & Hobbs Mfg. Co.,

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Hot & Cold Rolled Steel.

Main Office, Rolling Mills and Factories,

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JOB LOTS OF HARDWARE

I buy and sell in any quantity complete lines of **HARDWARE. MANUFACTURERS** having **JOB LOTS** will find me a ready purchaser. **RETAIL DEALERS** will find my prices lower than any house in the business. . . .

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NEW YORK OFFICE OF
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FERTILIZER CHEMICALS and MATERIALS;

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WE ARE MAKING A SPECIAL DRIVE ON

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An immense stock of superior grade. PRICES LOW. Write for same.

THE PIKE MFG. CO., Pike Station, N. H.

SALESMEN WANTED,

To sell our Bicycle and Hardware Specialties on commission. State territory and how often you cover it, also what lines you carry. . . . Address for particulars

MANUFACTURER, - - Winchester, Mass.

NORTH, SOUTH, EAST, WEST.

— FROM ALL POINTS COME —

ARMATURES, GENERATORS, DYNAMOS, MOTORS, TRANSFORMERS,

Which We Repair

. . . AND MAKE

GOOD AS NEW.

Write us for Estimates on your work. | **We Pay the Freight One Way.**

The W. H. Elliott Electric Co.,

General Electrical Repairers.
Fourteen Years' Practical Experience.

14, 16 and 18 Middle Street, Cleveland, Ohio, U. S. A.

EACH YEAR RECEIVED BETTER RESULTS.

Standard Tool Co., Cleveland, Ohio. [Tools]: During the five years we have had an advertisement in HARDWARE we have each year received better results.

BEST INVESTMENT EVER MADE.

Divine Bros., Utica, N. Y. [Buffing Wheels]: Our advertisement in HARDWARE was the best investment we ever made in the advertising line.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Agencies, Etc.

Mount Joy, Pa.—A. H. Engle has opened a new bicycle manufactory on West Main Street. The new wheel manufactured is the "Regal."

New York, N. Y.—Cycle Checking Lock Co. of New York has been incorporated to deal in bicycle devices. Capital, $250,000. Directors: Alrick H. Man, Thomas H. Ryan, Thomas R. Keator, Edward Barr, Alexander A. Forman, Samuel D. Page, Clayton Platt.

Pasadena, Cal.—California Cycleway Co. has been incorporated to construct and operate bicycle roads, etc. Capital stock, $150,000.

St. Louis, Mo.—The Cycle Improvement Co. has been incorporated by E. G. Van Zandt and others to engage in the manufacture of bicycles. Capital stock, $2500.

Tacoma, Wash.—The Swart Carrier & Seat Co. has been incorporated for $100,000 by R. B. Swart, F. D. Cooper and C. B. Swart. The company will be located at Tacoma, and will manufacture the Swart combination carrier and seat for bicycles, and all bicycle attachments.

Trenton, N. J.—Articles of incorporation have been filed by the National Cycle Armor Co. of Camden. The capital stock is $500,000. The company is to manufacture bicycles, and a special branch of its work will be the making of devices to prevent punctures of tires. The incorporators are John Wood, Jr., Haddonfield and Robert B. Esler and Robert B. Esler, Jr., of Philadelphia.

Trenton, N. J.—The Electric Bicycle Lamp Corporation has been incorporated to manufacture electric lights for bicycles. The capital stock is $250,000, with $1000 paid in. The incorporators are William Cranstown, Henry Newberger, Joseph Nicchia and Lewis P. McCulluch.

York, Neb.—The proposition of the Silver State Bicycle Works of Denver, to remove its plant to York was accepted at a mass meeting held last night at city Hall. The citizens agree to defray the moving expenses as the inducement for the removal.

Changes and Improvements.

Bridgeport, Conn.—Ellison & Middlebrook will close up their store in Fairfield Avenue. The reason that the firm is going out of business for the winter is a personal one. The bicycle season is about over, as far as it concerns agencies that deal in bicycles exclusively. Both Mr. Ellison and Mr. Middlebrook have received orders to go on the road this winter. There was good money in the offer, more than there would be if they conducted the store during the same months, and for that reason they have accepted the opportunity. Mr. Middlebrook will travel for the Orient Bicycle Co., and Mr. Ellison will act during the winter for the World Cycle Co.

Cincinnati, Ohio.—The Advance Carriage Co. will, in the near future, begin manufacturing bicycles.

Medway, Mass.—N. E. Cycle Co., reported to have dissolved.

Milwaukee, Wis.—The Milwaukee branch of the Union Cycle Mfg. Co., for a long time located on Third Street, has closed, and the stock removed to the home of the company, in Boston. Mr. Pieper, the local manager, said that the cheap wheels put upon the market the past year have killed the better wheel selling for this season in this market, and his company had decided to transfer their operations from Milwaukee to some point East where there was a demand for better wheels. Mr. Pieper expects to remain in Boston with the home office till further orders.

New Haven, Conn.—A meeting of the Yale Cycle Mfg. Co. was held recently, William Gay, president, officiating as chairman. There was a full representation of stockholders, and it was unanimously voted to change the name of the concern to the Merchants' Premium Co. The capital stock of the company has been increased from $2000 to $5000, of which two-fifths is paid in stock and the rest is ready to be paid in as soon as called.

New York, N. Y.—The Harris Mfg. Co. contemplate moving to Springfield, Mass., their present quarters being too small. The company manufacture engines, bicycles and horseless carriages.

Peoria, Ill.—The Ide bicycle factory is running three days a week and giving employment to seventy-six men. They had intended shutting down July 1, but orders have since been coming in at such a lively rate that they have found it impossible to close. A member of the firm stated recently that orders were better than in March last. The factory will close during September for the purpose of invoicing, and will immediately start up at an increased rate. A better season than for years is looked for.

Plainfield, N. J.—Mr. Yost having disposed of his interest in the firm of Yost & Rawson, engaged in the electrical construction and bicycle repairing business at No. 222 East Front Street, a change of management will take place. Rawson & Co. will be the name of the new firm and the electrical and bicycle repairing will be continued.

Steubenville, Ohio.—The Brilliant Tube & Iron Works' property was sold here at receiver's sale for $35,000 to the Wheeling Title & Trust Co., as trustees for the first mortgage bondholders. The property includes the rolling mill property and 460 acres of valuable coal land. The people of Brilliant are very much discouraged over the prospects, as the mill, which is the only industry the town boasts of, will not be operated by the purchaser.

Stockton, Cal.—W. B. Waterbury has been succeeded by Charles A. Eldridge.

Toledo, Ohio.—The Toledo Bicycle Supply Co., A. A. Barber has purchased the entire stock and supplies.

Toledo, Ohio.—Several of the bicycle factories of this city have recently started up with forces ranging from 75 to 225 men.

Toledo, Ohio.—There is a plan on foot to place all the retail bicycle stores of Toledo under one roof in the new Secor building.

Toledo, Ohio.—The Harris Toy Co., makers of the Perry saddle, recently sent out saddles on orders from Hamburg, and also to San Francisco for export. One of the foreign orders was from the island of Tahite, in the Pacific. The Harris people expect to make about 100,000 saddles next year.

Washington, D. C.—Ross Thompson has sold out his business.

Waterloo, N. Y.—Frank M. Bogenschneider has disposed of his bicycle store, including wheels and cycling paraphernalia, to W. H. Peck, of Elmira. Mr. Bogenschneider has for some time carried on the manufacture of wheels, as well as a bicycle warehouse and repair shop,

Recent Embarrassments.

Chicago, Ill.—Auburn Cycle Co. Luther M. Tracy has been appointed receiver in proceedings for the dissolution of the partnership between E. G. Rellihan and G. W. Kelly.

Chicago, Ill.—The A. R. Marsh Mfg. Co. of this city, manufacturers of bicycles, have made an assignment, with liabilities amounting to $20,000.

Danbury, Conn.—Arthur M. Nutt, bicycles, reported to have made an assignment.

Grand Rapids, Mich.—The suits involving the Hamilton-Kenwood Bicycle Co., have been discontinued, and a petition will be filed by J. J. Frederich Baars, trustee, under the $100,000 mortgage for the appointment of J. J. O'Brien as receiver to wind up the affairs of the concern.

New Haven, Conn.—The Dole Bros. Co., of this city, have made an assignment, with liabilities of about $1200. and assets of $200. F. C. Lum, trustee. The firm deals in sporting goods.

Reading, Pa.—The Standard Bicycle Co., of Reading, has had attached the receipts from the sheriff's sales of Edwin Laufer's Sons' store goods at South Bethlehem. This will compel their payment into court by the sheriff in order to test the validity of the judgments on which the sale was made.

Springfield, Mass.—Hendee & Nelson Mfg. Co., bicycles, filed petition in bankruptcy.

Wheeling, W. Va.—H. M. Riheldorfer, bicycles, reported to have made an assignment.

Recent Fires.

St. Louis, Mo.—The Baumann Cycle Co. sustained slight damage by fire recently.

West Brighton, S. I.—LeMetz Umbrella & Bicycle Handle Co., damaged by fire to the extent of between $50,000 and $75,000.

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THE NEW DEPARTURE BICYCLE BELLS.

Colwell Lead Co.

63 Centre St.
NEW YORK CITY.

Manufacturers of

LEAD PIPE
SHEET LEAD

American Standard

DROP **SHOT** BUCK

Also Wholesale Jobbers in

Wrought Iron Pipe, Cast Iron Soil Pipe, Water Closets, Brass Plumbing Goods, and everything else to plumb a house from cellar to garret.



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Bicycle Pump

MADE WELL!
SELLS WELL!
WEARS WELL!

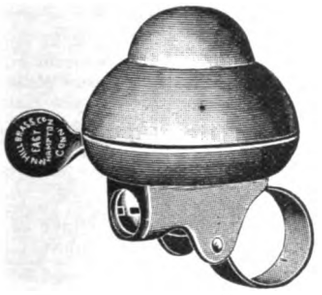
Fills Tires Quicker
Than Any Other Pump.

Connecting nipples all accurately threaded, and will fit all the well-known tires.

Write for Trade Prices
Special Inducements to the Jobbing Trade.

Henry Haas & Son,
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STERLING BELLS.



One Best THE Sterling.

Bells of all Description.
Send for Catalogue.

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East Hampton, Conn.

One of the First and Last Advertisers.

New Jersey Car Spring & Rubber Co., Jersey City, N. J. [*Rubber Goods*]: This company was one of the first to enter your list of advertisers, and we expect to be among the last to retire. We feel that HARDWARE is one of the publications we can't afford to stay out of.

Howard Iron Works,

BUFFALO, N. Y.

Manufacturers of

Bench Vises.

Price Lists sent on application.

DUNBAR BROTHERS'
STEEL (OIL TEMPERED) SPRINGS
ALL KINDS OF SMALL SPRINGS
MADE FROM
SHEET STEEL STEEL BRASS WIRE
BRISTOL, CONN. P.O. BOX 416



LACLEDE & HERCULES BATTERIES

For Door Bells, Telephones, and Annunciators.

WARRANTED stronger and longer lived than any other Sal-Amoniac Battery made. . . . . .

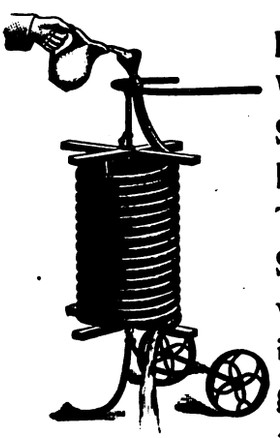
MADE ONLY BY

PERU ELECTRIC MFG. CO.,
PERU, IND

ALSO MAKERS OF

ELECTRICAL PORCELAIN
OF ALL KINDS

Send for Catalogue.



Patented January 5, 1897. Others applied for.

IT EXPLAINS
Why it is
Superior to all other
Hose Reels. This
The Hartzell
Self-Draining Hose Reel
will carry more hose,
it will **drain, preserve** and
greatly increase
the **durability** of **Hose.**

It is a beautiful ornament for a lawn. It is convenient, light, strong. It will please your customers as it saves money. For prices and Sample Reels, address

The Hartzell Novelty Works, (Sole owners and man'f'rs) ALLIANCE, OHIO.

"READS ADS. AND ALL."

Fred. A. Welles, Milwaukee, Wis.: I like your paper first rate, and I read the advertisements as well as the rest.

"WORTH DOLLARS TO DEALERS."

J. T. Morris, Cleveland, Ohio: HARDWARE is a bright, spicy journal, and I look forward to its arrival as one of the family. The Prices Current quoted by it are worth dollars to any dealer.

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JOHNSTON'S LIQUID GLUE FOR ALL USES.
1 oz. bottles per gro. $5.00
2 oz. bottles per gro. $6.00
JOHNSTON'S IMPERIAL CARPENTERS' PENCILS.
OVAL, BEVELED, TRILATERAL, HEXAGON.
—HIGH GRADE.—
Price per gro. $5.00.
J. D. JOHNSTON, Newport, R. I.

DEAN
LINSEED OIL COMPANY
LINSEED CRUSHERS.
181 Front Street, NEW YORK.

If you would use only the best use
Barnes National Writing Ink & Mucilage.
BARNES NATL. INK CO.,
NEW YORK & PHILADELPHIA.

PRIEST'S CLIPPERS
BALL BEARINGS
Largest Variety. Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.


Star Lathes
Foot power
Screw cutting
Automatic
Cross feed
9 and 11-inch Swing.
—New and Original Features.—
Send for Catalogue B.
SENECA FALLS MFG. COMPANY,
334 Water St., Seneca Falls, N.Y.

HOUSEFURNISHING HARDWARE & HARDWARE SPECIALTIES.

Basting Spoons, Cake Turners, Mincing Knives, Ice Tools, Tack and Nail Hammers, Hatchets, &c. Champion Cross Cut Saw Handles, &c.
KNAPP & PRATT MFG. CO.,
GENEVA, OHIO.

What Every Family Needs.
Pure Washed Filteration Quartz, free from all mineral impurities. Can be used in any filter or through cloth. . . Sold only by
The New England Filteration Co.,
564 Washington Street, Boston.

—ESTABLISHED IN 1874.—
ROCKFORD TACK COMPANY, ROCKFORD, ILL.
MANUFACTURERS OF
HIGH GRADE "Hardware" List of Tacks, Nails, Brads &c.
Also a full line of Shoe Finder's Tacks and Nails.
—Orders Solicited.—
Prices and terms quoted promptly on application

. . . HEARTILY RECOMMEND "HARDWARE."
E. T. Barnum, Detroit, Mich. [*Wire Goods*]: We heartily recommend HARDWARE to those desirous of reaching the largest number of dealers.

BEEN WITH YOU FROM THE BEGINNING.
Union Metallic Cartridge Co., New York. [Ammunition]: We have been with HARDWARE as advertisers from the beginning and expect to continue.

One of the Best Mediums Known.
C. T. Williamson Wire Novelty Co., Newark, N. J. [*Corkscrews*]: To present new goods to the trade we consider HARDWARE one of the best mediums known.

ON OUR AD. LIST AS ONE OF THE BEST.
Troy Nickel Works, Troy, N. Y. [Alaska Stove Hardware]: HARDWARE is on our advertising list as one of the best. We will be glad to keep you in this position.

Hardwaremen's Exchange.

Notices of ***HELP WANTED*** *or* ***SITUATIONS WANTED*** *will be inserted in this column free of charge. Should not exceed Four Lines.*

ALL OTHER NOTICES, *twenty-five cents per line.*

Help Wanted.

BOY wanted, about 15 years old; must have had experience in a retail Hardware store, be quick and bright; address by letter only, stating age, references, and salary to start. Address HARDWARE STORE, No. 2195½ Third Avenue, New York City.

WANTED—First-class traveling salesman to canvass manufacturers for the sale of Hardware, factory and mill supplies. Good salary will be paid to the right man. Address MANUFACTURER, care HARDWARE Publishing Co., No. 143 Chambers Street, New York.

WANTED resident agents in all cities not already covered, to sell our National Feed Boxes. This article is a startling success and has no competition. Active canvassers can make good profits. Address NATIONAL FEED BOX CO, No. 137 McGraw Building, Detroit, Mich.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

A Hardware traveller, wants to better his future by connecting with a house where he can grow. Salary not so much an object as opportunity to show to the right house what he can do; knows Canadian trade thoroughly, would travel there or elsewhere. If you want a man who wants to grow, write to "TRAVELLER" care HARDWARE, No. 143 Chambers Street, New York

POSITION by a young man. Christian, experience in Hardware, superintending help and office. A No. 1 references. Address B. No. 6 E. Fulton Street, Johnstown, N. Y.

POSITION wanted by young man in office or on road, with chance for advancement. Hardware or paints preferred. A1 reference as to character, honesty, etc. Address WM. H. ENGELBRECHT, Prince Bay, Richmond County, New York.

WANTED a position by married man of experience, as bookkeeper or entry clerk. Have had four years' experience in a large retail store. A1 references. Address J. G. R. BOX 533, Lake Mills, Ia.

$300 to invest with a position as manager or buyer. Age 27. Seven years experience with one of the oldest and best known wholesale Hardware firms on Chambers Street, New York. Make an offer if you are open for push and stick-to-business methods. Address 412, care HARDWARE, No 143 Chambers Street, New York.

AN experienced traveling salesman covering Pennsylvania, Ohio and Indana, in Hardware specilties, references gilt edge. G. M. STONE, North East, Pa.

POSITION wanted by thoroughly experienced man as Hardware sales man on the road. Large acquaintance in the trade. E. A. S., care HARDWARE, No 143 Chambers Street, New York.

POSITION wanted by a man 33 years of age, seven years' experience with Hibbard Spencer Bartten, & Co., Chicago, in general office work; understands bookkeeping thoroughly and good at figuring of any kind. Salary moderate, reference the best. A. E., care HARDWARE, No. 143 Chambers Street, New York.

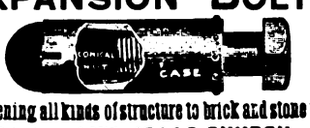
POSITION wanted by thoroughly experienced man either as clerk or salesman; first-class references. Address G. B W., No. 28 South Fifth Avenue, Mount Vernon, N. Y.

ADVERTISING manager and writer of ability and experience, position as advertising manager of general or special line. Mail orders a specialty. Is willing to do other work in conjunction, if desired. Address WIMBROUGH, No. 638 Bourse Building, Philadelphia, Pa.

YOUNG man 30 years of age wants position in store or road. Nine years experience in Hardware, stoves and hot air furnaces. Can figure estimates from plans and specifications. Good bookkeeper. Fine penman. A No. 1 reference as to honesty, sobriety, etc. Address LOCK BOX 34, Jeannette, Pa.

POSITION wanted by a practical man, who has held positions as tool maker, foreman and assistant superintendent. Up on modern methods and able to get out work at lowest cost. Address FREMONT, care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL Hardwareman, 39 years, of long experience both wholesale and retail, able to act as salesman, stockkeeper, bookkeeper or manager, speaking and corresponding in English or German, desires a permanent position. Best references. Address CHARLES KREINBERG, No. 108 East Houston Street, New York.

EXPANSION BOLTS


For fastening all kinds of structure to brick and stone work
Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue B. Toledo, Ohio.

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Situations Wanted.

BY a practical mechanic, experienced in manufacturing patented and builders' Hardware and specialties, well up in modern shop methods. Competent to get out work cheap, etc. An expert workman at bench. and a hustler. Address EXPERT, No 3029 Poplar Avenue, Chicago, Ill.

THOROUGHLY experienced bookkeeper and office correspondent desires situation as accountant or cashier in a Hardware house. Highest references. Bond furnished if desired. Address COMPETENT, care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted by a salesman well known among the Hardware, Housefurnishing goods and Department store trades; fifteen years' experience in New York and New England; best of references. Address H. N. P., care HARDWARE, No. 143 Chambers Street, New York City.

WANTED to travel in New England for A1 House Specialties preferred Best of references. Address H. H. BOX 1464, Boston.

EXPERIENCED Hardware salesman with large acquaintance in the South, desires position as traveling salesman to represent Hardware manufacturer or commission house. Is a native of the South and has about twenty years' experience on the road. Would be willing to take other territory than the South. Unexceptionable reference given. Address "HARD WORKER," care HARDWARE, No. 143 Chambers Street, New York.

POSITION by young man of ten years' experience in Hardware business. Have had experience both on road and in store J. E., care HARDWARE, No. 143 Chambers Street, New York.

BICYCLE repairer and builder wants position with Hardware store handling wheels to make repairs and build to order new wheels during the season; other odd jobs in winter. GEO. GOULD, No. 114 Freeport Street, Dorchester, Mass.

AMERICAN, 30 years old, would like to hear at once from manufacturer desiring Boston manager or representative. Advertiser is competent to buy or sell goods, is a practical bookkeeper and correspondent and understands advertising. Seven years' business experience and as traveling salesman. Reference as to character, ability and temperate habits. Address H. G. C., P. O. Box 2981, Boston, Mass.

WANTED—Young man, business correspondent and office manager of fifteen years' practice would accept position with manufacturing company or jobbing house. Or would manage branch office or travel in the far West and Pacific Coast. Address BUSINESS, Drawer No. 79, Milledgeville, Penn.

POSITION as salesman, indoor or road; Philadelphia, or New York and vicinity preferred; 20 years' experience Hardware and cutlery, eight on road; thoroughly posted. Address DAVID HUGHES, No. 1121 G Street, N. E., Washington, D. C.

BY a thorough Hardwareman, aged 32 years, 18 years' experience; situation as either in or outdoor salesman; can furnish best of references. Address G. B. W., No 28 South Fifth Avenue, Mount Vernon, N. Y.

RAZOR manufacturing foreman desires to change location; 21 years' experience. Any good cutlery concern wishing to make their own razors, might increase their profits by addressing RAZOR MAKER, care HARDWARE, No. 143 Chambers Street, New York.

Position wanted by a young man 27 years of age, eight years' experience in wholesale Hardware business, Bicycle and Export business, as Stenographer and correspondent. Understands office work thoroughly; also book-keeping. Export business preferred. Address, K., care HARDWARE, No. 143 Chambers Street, New York.

DESIRED by a practical Hardwareman a permanent position with some live house. Understands thoroughly builders' Hardware and mechanics tools. Salary moderate; reference of the best. Address PRACTICAL, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

A WELL-KNOWN firm, representing several factories as New York office, wishes to add at least three good lines either on commission or salary. Address MANUFACTURERS' AGENT, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WE offer good side lines to those calling on Hardware, implement, furniture and department stores, wholesale and retail. Address ULRICH MFG. CO., Rock Falls, Ill.

Side Line Offered.

WE want salesmen visiting Hardware and harness trade to sell our new line of chain goods and sheet steel snaps. Great sellers! State present line; references, territory. IRA F. WHITE & SON No. 76 Park Place, New York.

WE offer good side lines to those calling on Hardware, harness, carriage manufacturers and department stores, both wholesale and retail. Address FERNALD MFG. CO, North East, Pa.

A Business Wanted.

$200 to invest with Lathe and Tools for mechanical repair work in small Hardware store. Will buy business on easy terms. Age 26. Eight years in wholesale and retail Hardware in New York City Address 500, care HARDWARE, No. 143 Chambers Street, New York.

For Sale.

FOR sale, cheap, a Hardware and electrical supply store, situated in the busiest part of Fulton Street, Brooklyn, New York. Address BOX 99, care HARDWARE, No. 143 Chambers Street, New York.

FOR SALE: Half interest in good Hardware business established. Easy terms. Ask for particulars. Address HALF INTEREST, care HARDWARE, No. 143 Chambers Street, New York.

FOR SALE. In the Sunny South, Virginia, a General Merchandise Business including all the lines usually kept in a country store. Stock about $6,000, could be reduced to $5,000. Store property $5,000, turn over per annum about $20,000 00, doing a profitable business. This is a good chance for anyone wishing a good going business. Come and investigate. Every facility will be given by owner. Access given to every book. Owner will be in New York on 15th of September and can be seen at Grand Union Hotel, opposite Grand Central Station, from 7 a.m. to 4 p.m. on that day, or particulars will be sent by mail. T. A. STEWART, Claremont, Va. P. O. BOX 78.

AN old reliable Hardware business in one of the most prosperous county seats in Ohio. Nice clean stock. This is a first-class opportunity for one or two persons to step into an established and profitable business. Address immediately, MEEKER BROS., No. 85 North High Street, Columbus, Ohio.

ESTABLISHED Hardware business. Particulars to parties interested. Address PARTICULARS, care HARDWARE, No. 143 Chambers Street, New York.

$600, On terms to suit, will buy a Hardware store established twelve years. Investigate this bargain, has good jobbing trade. WOEHRLE, No. 2115 Third Avenue, New York City.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Agency Wanted.

ENERGETIC, capable business man, 12 years experience, would like to represent Cut and Wire Nail Manufacturers in New York and vicinity. Can guarantee good results to first-class mill. Address "CAPABLE" care HARDWARE, No. 143 Chambers Street, New York.

WANTED Agencies for Iron Steel Horse Shoes, Horse Nails and Blacksmith Sundries and Hardware Specialties; best of references. Address HARDWARE, care Carrier 24, Grand Rapids, Mich.

Hardware Stock Wanted.

WANTED to exchange, real estate in Indianapolis, Ind. for stock of Hardware. Box 44, Washington C. H. Ohio.

Partner Wanted.

SPECIAL partner wanted with $10.000 to open a cash Hardware and cutlery house in this city. Business largely job lots and manufacturers bargains. General partner has many years' thorough experience, and controls $100 000 of business. Only bona fide correspondence from principals accompanied by real name, will be acknowledged. Address G. O. P. care HARDWARE, No. 143 Chambers Street, New York.

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WRITE FOR QUOTATIONS

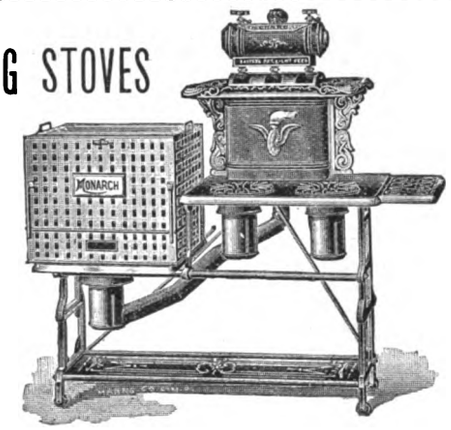


GET OUR PRICES BEFORE ORDERING.

Mention "Hardware."

THEO. M. HASS,
MANUFACTURER OF
Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.
Goods to Order a Specialty. Dies and Tools.
176 CENTRE STREET, (Opposite Earle's Hotel.) NEW YORK.

THE
MONARCH VAPOR COOKING STOVES
For Hot Weather,
And Embracing—
Cheap Stoves,
Complete Family Ranges,
Portable Ovens
And All Essential Features. . . .
The Monarch Stove Co.,
Mansfield, Ohio, U. S. A.





For Christmas
"ERIE" ALUMINUM,
The Finest Ware.
GRISWOLD MFG. CO., Erie, Pa.

A New Departure.

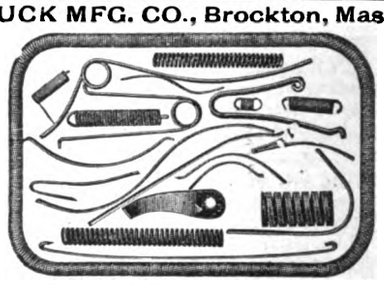


Hot Water Heater, combining Hot Water for Domestic purpose. With six (6) of our special manifolds, one man will cut and thread pipe and set up one in ten hours. Cheapest and best on earth.

Send for Catalogue. Agents Wanted.

The C. R. Meres Heater Mfg. Co.,
Norwalk, Ohio.

TUCK MFG. CO., Brockton, Mass.



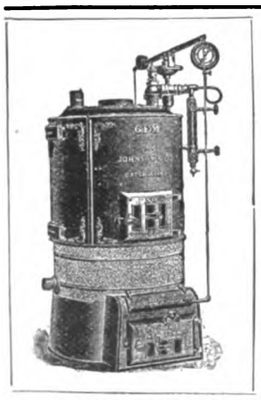
Springs, Tools & Cutlery.

Send for Tool Catalogue.

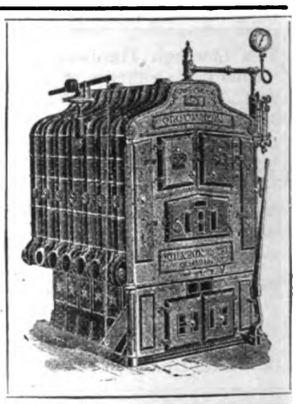
Tempered Springs of all kinds.



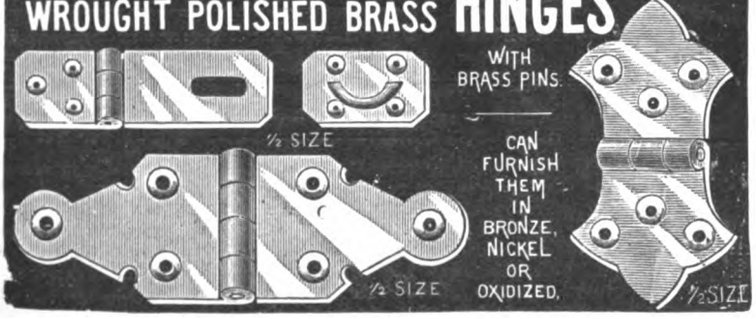
COVERT MFG. CO.,
WEST TROY, N. Y.
Derby Snap,
With Plated, Rust Proof and Guarded Spring. . . .
"The latest and best."
For sale by Jobbers at Manfrs. prices.



GEM and ECONOMIST HEATERS.
FOR HOT WATER and STEAM HEATING.
GEM, ROYAL GEM and CROWN GEM, PORTABLE, ECONOMIST BRICKSET.
Embodying the latest improvements connected with the heating of houses. Special attention is given to improving the heating of houses of modern construction. Trade correspondence solicited. Write for Catalogue.
. . . . MANUFACTURED BY
JOHNSON & CO.,
CATSKILL, N. Y., and 84 John St., New York.



R. CHRISTENSEN, CABINET AND GENERAL HARDWARE.
88 CHAMBERS ST., NEW YORK.
MANUFACTURER OF
WROUGHT POLISHED BRASS **HINGES**
WITH BRASS PINS.



CAN FURNISH THEM IN BRONZE, NICKEL OR OXIDIZED.

PARKS STOVE POLISHING MITTEN.



Best Made.
Write for Prices.
PARKS & PARKS, TROY, N. Y.

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PRICES CURRENT.

The prices noted in this Prices Current are intended for the Hardware trade only, and for such quantities as are usually purchased by retail dealers. They are carefully revised and represent quotations at which purchases can be made. Very small quantities, and broken packages, frequently make higher prices necessary.

Subscribers are requested to notify us of any discrepancies, as we desire to make this department of our paper worthy of their constant attention.

The list prices, from which discounts are given, will always be furnished the dealer upon request, by the manufacturer quoted.

Adzes—

House Carpenters.....
Ship Carpenters..... 40&12½&5
Railroad.....

Ammunition—

CAPS, PERCUSSION—₩ 1000—
M. C. Co. and Hicks, trimmed edge.....47 @ 50c
U. M. C. Co. and Hicks ground edge.....47 @ 50c
Musket, Waterproof, 1-10's..45 @ 50c
G. D.....28 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.35&5&2%
Cent. Fire, Military and Sporting ₩ 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.. ...$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.10@1.15
B.B. Caps, Con. Ball, Swgd $1.75@1.80

PRIMERS—
Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.. .....65&2%

SHELLS, LOADED—
With Black Powder...40&10&10& 5%
With Nitro Powd'r.40&10&10&10& 5%

GUN WADS—₩ 1000—
B.E., 11 up.80c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-₤ bags ₩ bag.....$1.25
Drop Shot, sizes smaller than B, 5-₤ bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-₤ bags, ₩ bag.....$1.50
Drop Shot, B and larger sizes, 5-₤ bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-₤ bags, ₩ bag.....$1.50
Buck and Chilled Shot, 5-₤ bags, ₩ bag.....$ .35
Dust Shot, 25-₤ bags, ₩ bag....$2.00
Dust Shot, 5-₤ bags, ₩ bag....$ .50
Jobbers frequently deduct 5@10 cents ₩ bag.

POWDER—
Laflin & Rand:
Orange Rifle ex., kegs 25₤ $4.00
12½₤ 2.25
6¼₤ 1.25
Orange, Special, kegs 25₤ 5.00
12½₤ 2.75
6¼₤ 1.10
Orange Ducking, kegs ..6¼₤ 2 25
[For 1000 ₤ lots 10% discount.]
Blasting and Mining, A..25₤ 2.25
Blasting and Mining, B. 25₤ 1.50
Laflin & Rand W.-A. Smokeless:
Sing e Canisters..... $1.00
10 Can Drums.....$9.00
Discounts on applica ion.

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 ₤ each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 ₤ each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ ₤ each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 ₤ each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 ₤ each..... .35
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ ₤ each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ ₤ each..... .12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 ₤.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ ₤..... 4.35
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ ₤..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs. 25 ₤..... 4.00
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs. 12½ ₤..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ ₤..... 1.25
"V. G. P." for Trap Shooting, in Kegs 25 ₤..... 4.00
"V. G. P." for Trap Shooting, in Kegs, 12½ ₤..... 2.25
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.25
Choke Bore, Nos. 5 and 7, in Kegs, 25 ₤..... 5.00
Choke Bore, Nos. 5 and 7, in Kegs, 12½ ₤..... 2.75
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ ₤..... 1.50
Mealed Powder, in Kegs. 25 ₤. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 ₤..... 2.25
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 ₤..... 2.25
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 ₤..... 1.50
Du Pont sporting Powder, for lots 1000 ₤ 10% discount:
Du Pont Smokeless Powder:
Kegs, equal in bulk, to 25 ₤ Black Powder.....$22.00
Half Kegs, equal in bulk to 12½ ₤ Black Powder..... 11.25
Quarter Kegs, equal in bulk to 6¼ ₤ Black Powder..... 5.75
Canisters, equal in bulk to 1 ₤ Black Powder..... 1.00
Discounts on application.

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 ₤ best black.....$ .85
Canister, equal in bulk to 2 ₤, best black..... 1.70
Drum, equal in bulk to 10 ₤, best black..... 8.25
Drum, equal in bulk to 50 ₤, best black..... 41.00
Drum, equal in bulk to 100 ₤, best black..... 82.00
Discounts on application.

TARGETS AND TRAPS, INANIMATE—
Cleveland Target Co.:
Blue Rocks ₩ 1000 .....$5.50
Expert Traps, each.....$5.50
Extension Traps, each.....$4.00

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....₩ doz. $3.80
Gallen Safety.. .....₩ doz. $3.75
Hartman's Pivot .....₩ doz. $4.75
Iowa Farming Tool Co.:
Ha keye.....₩ doz $3.25
We tern.....₩ doz. $3.75

Anvils—

American "Horse-Shoe"...9¼@9¾c
Armitage's Mouse Hole.....8¾@9¼c
Eagle Anvils, ₩ ₤ 9c.....15@15c&5%
Hay-Budden, Wrought.... 8¼@8¾c
Peter Wright's.....9¾@10¼c
Samson..... .....8¼@9c
Trenton.....8¼@9c

ANVIL AND VISE COMBINED—
Cheney Anvil and Vise..... .....40%
Holt's.....40@40&10%
Millers Falls (with drill) $18.00..20%

Augers and Bits—

Boring Machine .....70&10@75%
Cincinnati Tool Co.:
Bell hangers' bit.....40%
Brace twist drills for metals. 50&5@50&10%
Brace twist drills for wood. 40&5@40&10%
Screw and plug..... 25&10&10%
Cleveland Wood Bits for Brace, Style A, No. 114.....50&5%
Common.....70&10@75%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Forstner Pat. Bits.....25%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
Nobles Double Spur, No. 32.70&10%
No. 10 Extension Lip..... 40%
No. 10 Extension Lip pattern car bit.....40%
Pat. Car Bits, No. 10.....40%
Pat. Car Bits No. 30.....60%
Ring Augers.....70&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Russell Jennings' Augers and Bits. 25&10&2½%

HOLLOW AUGERS—
Bonney's Adjustable, No. 4, $ 4.00, 20%
Cincinnati Adjustable.....25&10%
Cincinnati Standard.....25&10%
Douglass'..... .....33⅓@33⅓&10%
Ives.....33⅓@33⅓&10%
Millers Falls, Goodell....15&7½&10%
Universal, each $4.50.....20%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓&
Cincinnati.....35&10&10%
Clark's small, $18.00.....45%
Clarks' Large, $26.00 .....45%
Ives' Model, ₩ doz. $60 ...50@50&10%
Steer's No. 1, $26; 2, $18.....40%
Stearns' No. 2, $48.....20%
Swan's.....40@40&10%

GIMLET BITS—
Diamond ₩ doz. $1.35.....40&10%
Double Cut, Shepardson's.45&10@ 50&10%
Double Cut, Common, ₩ gro. $2.75 @$3 25
Double Cut, Douglass'....40&10@50%
Double Cut, Ladds'.....70%
C. E. Jenning & Co.:
Double Cut.....'0%
German.....50%

BIT STOCK DRILLS—
Cincinnati Tool Co., for wood 40@ 40&10%
Cleveland Wood Bits for Brace 50&5%
Syracuse, for wood.....40%

TWIST DRILLS—
Cleveland.....60&5@60&10%
Morse Twist Drills.....60&5@60&10%
New Process.....60&5@60&10%
Standard .....60& @60&10%
Syracuse.....60 &@60&10%

SHIP AUGERS AND BITS—
L'Hommedieu's.....15&10%
Snell's .....30&10@40%
Watrous'.....40%

Awls -

Dunlap's Brad.....25%
Dunlap's Handled.....25%
Handled Brad, ₩ gr.....$3 00@$3.25
H'ld Scratch ₩ gr.....$3.75@$4.00
Pat. Peg ₩ gr..... 30@35c
Sewing, Com.....₩ gro., 85c@$1.00
Should. Peg ₩ gr.....$1.35@$1.45
Shouldered Brad. ₩ gr...$1.50@$1 65
Socket Scratch ₩ doz. ..$1.0 @$1.10
Stanley Rule & Level Handled Brad..... .....40&10%
Patent Pegging.... .....50&10%

Awl and Tool Sets—

Aiken's Awls and Tools: No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10..... 60&10@60&10&5%
Brad Sets: No. 42, $10.50; 43, $12.50...70&10&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Ice Awls.....55%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18.. 15@15&10%
C. E. Jennings & Co.'s Adjustable Tool Handle, No. 10, $3.00; 45, $4.50; 65, $6 00; 75, $9.00; 175 $10.00 ₩ dozen net

Axes—

First quality, best brands..$5 00@5 25
First quality, other " $4.50@4.75
Beveled add 50c ₩ doz.

AXES, HANDLED—
Peck's:
Champion Blade...per doz., $12.00
Empire.....per doz., $9.00
Firemans'.....per doz., $25.00

HATCHETS—
Collins.....10%
Find ay Axe & Tool Co...50@50&10%
Hunt's, Underhill's or Blood's... 50@50&10%
Peck's:
Champion Blade.....45%
Empire Brand.....50&10%
Fayette R. Plumb:
Broad, New List.....40&12½%
Lathing.....60%
Shingling.....50%
Warehouse.....40&12½%
Vulcan Tool Co.....60%

Balances—

Chat llon's:
No. 2000 20 30
₩ doz. 75c 85c $1.65 net
Circular Balances.....60%
Straight Balances.....50%
Circular Spring Balances.50&10@60%
Common 24 ₤. .....₩ doz. 30c net.
Ice.....50&10%
Straight Spring balances.50&10@60%

Barrel Drainers—

National.....30%

Beef Shavers—

Enterprise:
Japanned, each, $6.50.....25%
Tinned, each, $7.50.....20%

Bells—

HAND—
Extra Heavy Brass.....65&10%
Light Brass.....70&10%
Globe (Cone's Patent).....40%
Silver Chime.....40%
White Metal.....65&10%

DOOR—
Crank, Cone's.....10%
Gong, Abbe's.....40@40&10%
Gong, Barton's.....40&10@50%
Gong, Yankee.....55&10%
Lever, R. & E. Mfg. Co.'s.60@60&10%
Multi-Stroke.....55%
New Departure.....45@50%

COW—
Common Wrought.....60&10%
Dodge, Genuine Kentucky 70@70&10%
Kentucky, Sargent's List..... 75%
Texas Star.....50&10%
Western, Sargent's list.....75%

Bellows—

Blacksmith's.....70@70&10%
Hand.....50&5@50&10&5%
Moulders.....50&5@50&10&5%

Belting, Rubber—

Boston Belting Co.:
"Boston".....50&10&5%
"Imperial," seamless, stitched 40&10%
Cleveland Rubber Co.:
Buckeye.....60&10%
Shield High Grade.....50&10%
War. 2 XL.....40%
Common Standard.75&10@75&10&5%
Extra..... 60&10&5@70%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Standard..... .....70&10@75%

Bench Stops—

Cincinnati..... 25&10%
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $6, 10@10&10%
Terrell's No. 1 and 2, $3; No. 3, $3.00 ₩ doz.....30%
Millers Falls.....15&10%

Bit Holders—

Angular.....40&5%
Extension:
Barber's, ₩ doz. $15.00.....45%
Ives' ₩ doz. $30.00.50&10@60&10&5%

Blind Adjusters—

Domestic..₩ doz. $3..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
North's.....10%
Zimmerman's.....50&10@50&10&10%

Blind Fastenings and Tenons—

Austin & Eddy ₩ gro. sets.....$5.50
Gorhans Improved Star Tenon ₩ gro. $1.00.....25%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Millers Falls ₩ set $1.00.....15&10%
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel 60&10@70%
Com. Jap'd Sheaves...70&5@70&10%
Lanes:
Junior, Self Sustaining.....30%
Pat. Automatic.....30%
Perfect Safety.....30%
Stowell Novelty Block.....50&10%

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Regular Iron Strapped Blocks 70&5@70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c.....70%
Cast Iron Chain..... 50&10%
Cast Iron Shutter Bolts.....70%
Ives' Patent Door Bolts...60&10&5@60&10&10%
Wrought Barrel.....75@75&10%
Wrought Square..70&10@70&10&10%
Wr't Shutter, Standard list.....70%
Wr't Shutter, Sargent's list... 70%
Wr't Sunk Flush, Sargent's list. 50&10@50&10&10%
Wr't Sunk Flush, Stanley's list 50&10@5 &10&5%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&5%
Window Spring.....75%
Window Spring Bolt Socket.....70%

CARRIAGE, MACHINE, &C.—

Bolt Ends.....80@80&5%
Machine.....75&10@80%
Carriage, Common.....75&5@75&10%
Norway Iron, list Oct '84..80&10@80&15%
Phila., Eagle, list $3.00.....85%
R. B. & W., $2.40 list.....70%

TIRE—

American Screw Co.:
Bay State, Plain list Feb. 26, '96. 75&10%
Bay State, Fluted.....80%
Eagle Phila., list Feb. 26, '96....85%
Norway, Phila., list Feb. 26 '96.80%
Common, list Feb. 28, 83..75@75&10%
Eagle.....85%
R. S. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—

Plow.....60&10&10@70%
R. B. & W., Plow..... 65%
Stove.....75&10%

MISCELLANEOUS—

Sink.....75&10%
Sleigh Shoe.....85%

Bone Mills—

Enterprise.....30%

Borers, Tap—

Common and Ring.....20&10@35%
Enterprise, No. 1, $1.50; 2, $2.10; 3, $3.00 each
Ive's.....33½&5%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'	$2.50	$3.00
Jennings'	2.50	$3.00
Millers Falls	7.50	15&10%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	11.....
Snell's, Rice's Pat.	2.50	$2.75

Bow Pins—

1¼ inch, ₩ gro.....$4.50@$5.00
1inch, ₩ gro.....$5.00@$5.50

Boxes, Mail—

Heller's.....40&5%

Braces—

Barber's.....50&10@60&10%
Barber's Ratchet.....60@60&10%
Bartholomew's:
Nos. 25, 27 and 30..... 7.00@75
Nos. 117, 118, 119.....70&75%
Common Ball American..$1.10@$1.20
Ives':
Barbers'.....60&5%
Barber Ratchet.....60@60&10%
New Haven Novelty....70@70&10%
New Haven Ratchet.60&10@60&10&10%
Spofford.....60&5@60&10%
C. E. Jennings & Co.:
No 108@114%.....60&10%
No. 208@214%.....60%
Peck's (P. S. & W. Co.)....60@60&10%
Gen. Spofford's.....50&10&5%

Brackets—

Door Screen.....70&10%
Moore's.....70&5%
Shelf, Bradley's Patent.....80%
Shelf, Plain, Regular list.....70&10%
Shelf, Fancy, Sargent's list.60&10@60&10&5%
Window Screen Corner.....70&10%
Reading, plain.....70%
Reading, Rosette.....70%

Bright Wire Goods—

Standard list.....85@85&10%

Bull Rings—

Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%
Sargent's.....80@80&10%
Seymour Smith & Sons.....60%

Butcher's Cleavers—

Beatty's.....40&5@40&10%
Bradley's.....35@35%
Dunlap's Family.....25%
Foster Bros. Flat Hds.....30%
Foster Bros. Round Hds.....40%
L. & I. J. White.....25%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33½&5@33½&10%

Bung Hole Borers—

Enterprise.....25%
C. E. Jennings & Co.:
No. 6.....40%
No. 10.....30%

Butter and Cheese Triers—

Ordinary Black Handle.....25%

Butt and Rabbet Gauges—

Stanley's.....25&10%

Butts—

BRASS—

Cast Brass, Fast Joint....40@40&10%
Cast Brass, Ice House.....40%
Cast Brass, Loose Joint...40@40&10%
Wrought Brass, List Sept. '96.40@40&10%

CAST IRON—

Loose Joint.....75@75&5%
Loose Joint, Japanned.....75@75&5%
Loose Joint, Jap. with Acorns, 75@75&5%
Loose Pin.....75@75&5%
Mayer's Hinges.....75@75&5%
Parliament Butts.....75@75&5%
Sargent's:
Fast Joint, Broad.....60&10%
Fast Joint, Narrow,....60@60&10%

WROUGHT STEEL—

List, April 1, 1895
Bronzed Inside Blind Butts.50&10@50&10&5%
Bronzed, Narrow.....
Fast Joint, Narrow.....
Fast Joint, Light Narrow.....
Fast Joint, Broad.....
Loose Joint.....
Loose Pin.....
Table Butts, Back Flaps, etc..
} 75%

Can Openers—

American.....₩ gross $1.75@$1.90
Champion, ₩ doz. $2.00..... 50%
Columbian..... ₩ gro. $14.40
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00....25%
Dunlap's Sardine Scissors, ₩ doz. $5.00:....25%
Dunlap's Wood Handle No.2$1.75.25%
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
No. 5, Iron Handle, ₩ gr....$2.00@2 25
Sardine Scissors.. ₩ doz. $2.00 @2 25
Sprague, No. 1, $2 00; No. 2, $2.25; No 3, $2 50. .....70%
Universal, ₩ doz. $3.00..... 55&5%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%

Cards—

Cotton .....20@25%
Horse and Curry.....20@25%
Wool.....20@25%

Carpet Stretchers—

Bullard's 33½%
Cast Iron Steel Points, ₩ doz 75@80
Cast Steel, Polished..... ₩ doz. $3.25
Dunlap's.....25%
Excelsior.....25%
Socket.....₩ doz. $1.75

Carpet Sweepers—

Bissell's:
Gold Medal....
Grand.....
Grand Rapids.
Ball.....
Prize.....
Premier.....
Superior.....
} Cyclone Bearing ₩ doz. $24.00 ₩ doz. $30.00 ₩ doz. $22.00 ₩ doz. $60.00 ₩ doz $24.00 ₩ doz. $24.00 ₩ doz. $24.00
Crown Jewel, japan finish, ₩ doz $19 00
Crown Jewel, nickel, ₩ doz. $21.00
Furniture Protector, Japan.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
"Standard A," Jap...₩ doz. $20.00
"Standard A," Nick..₩ doz. $22.00
Housewife's Delight..₩ doz. $15.00
Parlor Queen, Jap....₩ doz. $24.00
Parlor Queen, Nickel, ₩ doz. $27.00
Standard.....₩ doz. $24.00
Lots of 5 dozen $1.00 per doz. less.

TOY LINE—

Baby.....₩ doz. $2.50
Child's.....₩ doz. $3.00
Little Jewel.....₩ doz. $7 00
Little Queen.....₩ doz. $4.00
Miniature.....₩ doz. $9. 0
Quantity rebates on application.

Casters—

Bed.....60&10&10@70%
Deep Socket.....60@ 0& 0%
Giant Truck Casters.....35%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%
Martin's Patent(Phoenix). 60@60&5%
Plate.....60&10&10@70%
Socket Truck Casters..45&10@ 5& 10&10%
Stationary Truck Casters.....50&10%
Store Truck.....55%
Swivel Truck.....60&10&10%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50&5%
Yale Gem.....70&10&5%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@70&10&10%
Peck, Stow & W. Co.....66⅔%
Sargent's.....70&10@70&10&10%

COW TIES—

American.....60&10%

Covert's Horse and Cattle:
Jute 33⅓%
Manilla.....33⅓%
Sisal.....33⅓%
Triumph.....33⅓%

Chain—

American Coil, Ass'n base prices. 3-16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾ $6.85 5.35 4.25 3.65 3.50 3.35 3.15 3.05
Covert Saddlery Works:
Breast Chain.....60&20%
Hitching Chain.....6 &20%
Rein Chain.....60&20%
Covert Mfg Co. Chains.....45%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Galvanized Pump Chain, with Buckets.....f@5½c
German Coil.....60&10&7%
German Halter Chain....60&10@7 %
Jack Chain, Iron.....70@70&5%
Jack Chain, Brass.....70@70&5%
Oneida Halter Chain.....60@60&10%
Plumbers.....60%
Trace, Wagon and Fancy Chains, 60&10@60&10&10%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

Buck Bros.....30%
Charles Buck.....30%
Douglass.....75@75&10%
Hinsdale.....
Mix.....
Ohio Tool Co.....
P. S. & W.....
Sag Harbor Tool Co.....
Swan.....
Winsted Edge Tool Co.....
} 75&10 &5%
C. E. Jennings & Co. No 70....25&10%
Jennings & Griffin Mfg. Co....75&5%
Merrill & Wilder.....60&10%

TANGED AND MISCELLANEOUS—

Ray .....60&10%
Buck Bros.....30%
Butchers'.....$4.75@$5.00 to 2
Cold Chisels, good quality, ₩ lb 14c@16c
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Tanged Chisels and Gouges.....40&10%
Spear & Jackson's.....$5 to 2
Tanged Firmers'.....50@50&10%

Chucks—

Beach Pat....each $8.00.....30%
Cushman's:
Combination.....40%
Independent.....50%
Morse's Adjustable, each $7.00...25%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....40%
Skinner's Pat. Comb. Chuck.....40%
Union Mfg. Co.:
Combination.....40%
Independent.....40%
Universal.....40%
Victor, No 1, $8.50; No. 2, $12.50.25%

Clamps—

Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearns'.... 30@30&10%
Cabinet Makers, Sargent's...45&10%
Carpenters', Cincinnati 25&10%
Carriage Makers', Sargent's.. 50&10@50&10&5%
Carriage Makers' P. S. & W. Co. 40&10%
R. I. Tool Co.'s Wrought Iron....25%
Smith's:
Eccentric.....25%
Splicing.....25%
Splicing Tools.....15%
Warner's.....40&10@40&10&5%

Cleaners, Sidewalk—

Challenge Shank..... ₩ doz. $3.25
Star Shank.....₩ doz. $3.50
Star Socket.....₩ doz. $3.75

Clips—

Norway Axle.....70@70&10%
Norway Spring Bar Clips.70@70&10%
Superior Axle Clips.....70&10@75%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....25%
National.....30
The Swift, Lane Bros.....33⅓%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%

Compasses, Dividers, &c.—

Athol Calipers and Dividers.....40%
Bemis & Call Co.'s:
Compasses.....50&5%
Dividers.....65%
Compasses, Calipers, Dividers. 70@70&10%
Wm. Johnson's:
Extension Dividers.....40%
Inside, Outside and Double.....70%
Registering.....50%
Wing Calipers.....70%
Wing Dividers.....75%
Stevens's "Ideal".....35&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%

Coopers' Tools—

Bradley's.....30%
Barton's.....20@20&5%
Beatty's.....33⅓%
L. & I. J. White.....20@20&5%
Sandusky Tool Co.....25&10@20&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....40%
Humason & Beckley Mfg Co. 40& 10@50%
Samson .....₩ doz $10.00
Williamson's.....40%

Corn Hooks—

Kretsinger Cut-Easy, ₩ doz. $8.00 net

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—

Adjustable.....30%
Counte sink Bits.....40&10%
Shepardson's Diamond.....40@45%
Smith's.....25%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....30%
Dixon's
Eclipse.....₩ gro. $2.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—

Fiton's, List Nov. 20,'96.....25&10%
Perfect.....25&10%
Rubber, ₩ doz. $7.50.....20@20&10%
Southington Cutlery Co.'s List, Nov. '96.....25&10%

Cycle Hangers—

Lane's.....33⅓&5%

Diggers—

See Post Hole, etc.

Dog Collars—

Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)..50&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%
Medford Fancy Goods Co. list..40& 10@50%
Union Hardware Co. New List. 50&50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete, $9 50&10%
Thaxter Electric Lock, list....$35.00

Door Springs—

Champion (Coil)...50&10@50&10&10%
Foster's (Coil).....30%
Gem (Coil), list Oct. '95.....25%
Rubber, complete, ₩ doz. 35.50. 66⅔@70%
Star (Coil), list Oct. '95..... 33⅓&10%
Torrey's Rod, 30 in, ₩ doz $1 2 @1.25
Victor, Coil.....60&10@60&10&5%
Warner's.....55@55&10%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Adjustable Handle.....40@40&10%
Bradley's.....35%
Douglass.....75@75&10%
Jennings & Griffin..... 75&5%
Merrill & Wilder.....60&10%
Mix.....
New Haven.....
P. S. & W.....
Witherby.....
} 75& 10& 5%
Watrous.....30@30&10%
L. & I. J. White.....25&5@25%
Wilkinson's Folding.....25@25&5%

Drills and Drill Stocks—

Automatic Boring Tools..$1.75@1.85
Blacksmiths' ..... each $1.75
Breast, Bartholomew's No. 12, ₩ doz $16.00
Breast, Millers Falls, each $3.00 15&10%
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Graves Drill Stocks.....40%
Ratchet, Billings' Dble. Acting.33⅓%
Ratchet, Ingersoll's.....25%
Ratchet, Merrill's.....20@30&5%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Parker's.....40%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Stearns' Bench.....50@50&10%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

Dover (Standard Co.) No. 10 ₩ gro. $9.50
Dover Extra Heavy (Standard Co.) No 15.. ₩ gro. $21.10
Paine, Diehl & Co.'s Keystone 33⅓%
Spiral.....₩ gro. $4.25@$4.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$3.00 each, less 50%
Annunciators, $1.50 ₩ drop less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon..60c. ea., less 50%
Batteries, Medical, $8.50 ea., less 50%
Batteries, Dry.....50c. ea., less 50%
Bells, Electric, 2½ 50c. ea., less 50%
Call Bell Outfit, Electric...$2.00 each, less 50%
Desk Pushes Electric..30c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Risers' Set, Electric..$3.50 each, less 50%
Floor Pushes, Electric...6 c. ea., less 50%
Gas Burners, Electric....5 c. ea., le s 5 %
Gravity Batteries, $1.00 ea.. less 50%
Hydrometers....75c. each, less 50%
Incandescent Lamps..40c. each, less 50%
Induction Coils, Telephone..6 c. each less 50%
Lead Covered Wire No. 18, No. 16, No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Push Buttons, Wood..10c. each, less 50%
Sal Ammoniac...18c. ₩ lb., less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt.... 24c. each, less 50%
Switches, 3 pt....28c. each, less 50%
Spark Coils, 8 pt..$2.00 ea., less 50%
Spark Coils, 10 pt $4.40 ea , less 50%
Spark Coils, 12 pt.....$3.80 each, less 50%
Tape, Insulating, 80c. ₩ lb less 50%
Tube, Speaking, $21.00 ₩ 1,000 ft. less 50%
Whistles. Speaking Tube, N P., 2.00 ₩ doz., less 50%
Whistles, Speaking Tube, Porcelain.....75c ₩ doz . less 50%
Wire Winders, $10 00 each. less 50%
Window Springs, Electric...24c each, less 50%
Yale Lock Switch, E ectric, $2.50 each, less 50%
Zincs, Leclanche...04c. ea., less 5 %

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF F FF.
Kegs, ₩ lb..4½c	5c	8c
½ kegs, ₩ lb.4½c	5½c	3½c
¼ kegs, ₩ lb. 5c	5½c	3½c
10 lb cans, 10 in case.... 6c	6½c	5½c
10 lb cans, less than 10.. 10c	10c	8c

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Brass Thread.....60@60&10%
Wood.....25%

Escutcheon Pins—

Brass.....70@70&10%
Iron, list January, 1890.....60@60&5%

Farriers Knives—

"Challenge".....₩ doz. $3.00
Popes.....₩ doz. $3. 0
Wilkinson's.....₩ doz. $3.00

Faucets—

Brass Globe Cocks.....60&10%
Brass Racking.....60&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....6%
Frary's Pat. Patrolenm. 60&10@70%
John Sommer's Boss Tin Key....50%
John Sommer's Chicago Cork lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Cedar (in bbls.) 50&10%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork lined.....10%
John Sommer's No Brand Metal Key.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.10%
John Sommer's Peerless Tin Key.40%
John Sommer's Reliable Cork Lined.....60%
John Sommer's W. P. Metal Key.40%
Star.....60@60&5%
Self-Measuring:
Enterprise ₩ doz. $36.00.....40%
Lane's ₩ doz. $36.00.....40%
National Specialty Mfg. Co....40%

Fibreware—

Standard Fibre-ware Co.

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Buggy Pails, 7 in. high.	2.60		
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt.....	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.....	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)...	1.40	1.70	2.00
Cuspidors, 9x7½ inches, (anti-slip-over).....	5.50	6.50	7.00
Dairy Pails, 14 qt.....	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire.....	3.40		
Fruit Bowls.....	1.20	1.70	2.00
Keelers, 11½ inch.....	2.30	2 80	3.10
Milk Pans.....	1.50	2.00	2.20
Mats, 8½ inch (for table use).....	.50	1.00	1.20
Mats, 15 inch (for cuspidores, etc.,.....	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.30
Prison Pails, 16 qt. (with cover).....	6.50		
Pitchers, 10½ in. high..	4.00	4.70	5.20
Peck Measures.....	2.80		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt ..	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Spittoons, Daisy, 8½ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4.00	4.80	5.30
Water Pails, 12 qt....	$3.00	$3.50	$4.00
Waste Paper Jars.....	3.00	4 00	4.50
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2. 0
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in.. (or Wash Bowls,.....	2.30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4 00

Files—

DOMESTIC—

American.....70&10@75%
Arcade.....70%
Great Western..... 70&10@75%
Kearney & Foot..... 70&10@75%
Nicholson.....70%
Nicholson's X. F. Files..... 33⅓%
Second Quality Files.....80@80&10%
Tiger.....70%
Troy File Works:
Files.....70&10%
Rasps.....70%
Victor..... .....75&10%

IMPORTED—

Stubs.....Stubs' list, 25@30%

Filters—

Seed's Water Filters:

A 1, $4.00	No. 2, $2.50	No. 3, $1.50	No. 4, $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....60&20%

Fluting Scissors—

List.....45%

Forks—

Champion, Hay, Manure, etc 75&15%
Columbia, Hay.....75&10%
Columbia, Manure.....8 %
Columbia, Spading.....80&5%
Hay.....75%
Iowa Farming Tool Co.:
Barley.....60&40%
Manure, 4 tine.....75&10 2½%
Manure 5 and 6 tine ..... 7 &20&5%
Spading.....75&10&2%
Victor, Hay .....75&1 %
Victor, Manure and Header.....80%

Freezers, Ice Cream—

Blizzard.....net
Gem.....net
Granite State.....net
Improved Arctic.....net
Keystone, P. D. & Co.....20%
Ohio .....60&10%
Packer's:
Confectioner's Machine.....net
Double Action Standard.....net
Good Luck.....net
Standard.....net
Shepard's Lightning.....net
White Mountain.....net

Fry Pans—

Acme Fry Pans.....7 &10%
Polished, regular goods...75@75&10%
Standard List.....75&10@80%

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Gas Lighting Burners—

Gem.....₩ d z. $2.50
In lots of 3 doz.....₩ doz. $2.25

Gauges—

Bemis & Call's Steel..... .....50%
Boss, Screw Pitch..... .....33⅓%
(Hapgood) 20%
Marking, Mortise, &c..60&10@60&10&10%
Stanley's.....60&10%
Stanley's Chisel.....25%
Starrett's Surface, Center and Scratch .....25&10%
Copeland Champion Bit ₩ doz $2.00 net
Stubs' Wire and Drill.....20%
Wire, Morse's.....25%
Wire, P. S & W., low list....10&10%
Wire, Wheeler, Madden & Co....10%

Gimlets—

"Bee," ₩ gr $12.....25@25&10%
Bell Hangers 50%
"Diamond" Gimlets ₩ gr. $4.00@4 25
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%
"Eureka" Gimlets.60&10@60&10&5%
Metal head.....55%
Nail Gimlets:
Assorted 1, 2 and 3.....₩ gr. $1.50
Assorted 2 and 3.....₩ gr. $1.70
Pod.....50%
Star.....50%
Spike Gimlets:
Assorte 1 1, 2 and 3.....₩ gr. $3.00
Assorted 2 and 3.....₩ gr. $3.25
Wood head.....50&10%

Glue—

Dodd's Liquid Glue.....25&25&10%
Le Pages Liquid.....25&25&10%

Glue Pots—

Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy"... 60%
Enameled.....45@50%
Tinned.....4.@50%

Graters—

Enterprise.....25%

Grindstone Fixtures—

Howard Iron Co.....30%
P., S. & W. Co.....50&10&10%
Russell & Erwin .....70&10%
Sargent's Patent..70&10@70&10&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
'96 List.....60&20%
Upson & Wooding 40%
Wright's Animal Tether.....30%

Hammers—

HANDLED HAMMERS—

Atha Tool Co.....5 &10@60%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&10%
C. Hammond & Son. List..4 &10@50%
Humason & Beckley.....50@50&10%
Dunlap's Patent.....25%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75 .....40&10%
Maydole's.....33⅓&5@40&5&5%
Peck, Stow & Wilcox.....40@40&5%
Fayette R. Plumb:
Artisan's Choice, A. E. Nail 40&12½%
Engineers & B S. Hand.... 0&15%
Y. & P., A. E. Nail.....40&12 %
Other Brands.....40& 0@6 %
Sargent's New List .....45@50%
Verree.....50&1 @60%
Warner & Nobles New List..25&10%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb....₩ lb 4c
3 to 5 lb.....₩ lb 36c } 75@75&10%
Over 5 lb.....₩ lb 30c
Wilkinson's Smiths....9½c@10c₩ lb

Hammock Ropes—

Covert Mfg Co.....45%
Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—

Chest Handles, Sargent's..50&10@ 50&10&10%
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.08	1.35	1.50

60&10@70%
Drawer Handles.....60%
Ring Handles.....70%
Roberts Latches.....50&10@60%
Shelf Box Handles.....65%
Trunk Handles.....60%
Tub Handles.....60&10%

STORE DOOR HANDLES.—

Bronzed, with Cylinder Lock ...50%
Bronzed.....60&10@66⅔%
Japanned, with Nuts.....$1.65
Japanned with Plate $1.10
Japanned, without Plate.....85c

DOOR PULL—

Bar..... .....60@60&10%
Barn Door.....50&10%
Chest and Lifting.....60@60&10%
Drawer Pulls.....50&10@60%
Plain B. M.....60@ 0&10%
Push Plates, Sargent's List..60@ 0 ... 10%
Sash Pull Plates.....70&10%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%

WOOD—

Auger, assorted .....₩ gr. $2.25@2.50
Auger, large.....₩ gr. $3.00@3.25
Auger, Douglass', Pat. ₩ set, No. 1, $1.00; No. 2, $1.40
Auger Ives', Pat. No. 1, 60&10% No. 2 to 33⅓.....40%
Auger, Swan's, Pat. ₩ set, No. 3, $1.00; No. 4, $1.25.....25&10%
Brad Awl .....₩ gr. $1.75@$2.00
Chisel Worcester Leather Cap'd 1.50
File, assorted..... ₩ gr. $1.25@1.40
Firmer Chisel, Apple ass'd ₩ gr. $2.25@2.50
Firmer Chisel, Apple large ₩ gr. $2.75@3.00
Firmer Chisel, Hickory ass'd ₩ gr. $2.00@2.25
Firmer Chisel, Hickory, large, ₩ gr. $2.50@2.75
Firmer Chisel, Socket ass'd ₩ gr. $2 00@2.25
Hammer, Hatchet, Axe, Sledge, etc .....50&5%
Hoe, Rake and Fork 60&10@60&10&5%
Saw and Plane.... ... 40&10@50%
Shovel and Spade, Wood D Hdle. 60@60&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 60c.60%
Champion .....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....60&10@ 60&10&10%
Barn Door, New England.70@70&10%
Barry, $6.00..... 50&10%
Best Anti-Friction.60&10@60&10&5%
Challenge, Barn Door.....50%
Cronk's Roller Bearing, No. 4, $18.00; No. 5, $26.00.. ...60&10&10%
Cronk's Steel cov'd Loose Axle, 60&10&10%
Davis Parlor Door..... 50@50&5%
Duplex (Wood Track).....60&10&5%
Kidder's.....50@50&10%
Lanes Barn Door:
Covered.....60&10%
No. 50.....6 &5%
New Model.....4 &10%
Parlor, Standard.....4 &10%
Standard .....60&10%
McKinney's "None Better," No. 2, $18.00; No. 1 Special, $15.00, ₩ dozen pairs.....60&10%
Reed's Steel Arm.....50%
Rider & Wooster, No. 1, 66⅔c.; No. 2, 75c.....40%
Richards' Single Track, Steel.50&10%
Star.....50&10&10%
Stearns' Challenge..... 50@50&5%
Sterling's Impr'd.60&1 @60&10&10%
Stowell Barn Door.
Badger.....0 &10%
Climax.....55%
Interstate.....60&15%
Magic 50%
Matchless Covered.....60& 0%
Wild West.....50%
Zenith.....55%
Baggage Car Door.....33⅓%
Elevator.....40%
Railroad.....55%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety..... ....60&5%
Terry's Solid .....60&10&10&5%
Terry's Wrought..... 6 &10&10%
The Boss.....60&10@60&10&5%
Universal Anti-Friction.....40%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4, $35.00 60&10&2½%
Warner's Pat.....30&10&10%

Harness Snaps—

See Snaps.

Hasps and Staples—

McKinney's "Perfect," $1.10 ₩ doz .....40&10%
Wrought.....85&10@85&10&5%

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Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—
Auburn Hay, Corn, and Spear Point 50%
Auburn Straw 40%
Lightning, from jobbers $6.00@$6.25
Wadsworth's ..... 40&5@40&7½%

Hedge Shears—
Wm. Wilkinson & Sons 50%

Hinges—

WROUGHT IRON HINGES—
Corrugated Strap and T..75@75&5%
Rolled Blind Hinges Nos. 22 and 24 50&10@50&10&5%
Rolled Plate, Rolled Raised .... 70&10@70&10&5%
Plate Hinges "Providence" 6 to 12 in. ₩ lb., 5c. 14 to 36 in. ₩ lb. 4c.
Screw Hook and Strap. 6 to 12 in., ₩ lb. 2½c; 14 to 20 in., ₩ lb. 3½c; 22 to 36 in., ₩ lb. 3 c
Strap and T ..... 75@75&5%

SPRING HINGES—
Acme ..... 30@10%
American 20%
Bommer's 40%
Bardsley's Patent Checking 15%
Chicago 3%
Crown 3%
Champion 60%
Devore's No. 1 ..... ₩ gr. $18.00
Geer's Spring and Blank Butts..40%
Gem ..... 30&10%
Keil's American 30%
Matchless No. 10 ..... 70%
New Idea, No. 1, ₩ gro $7.00
New Idea, No. 2, ₩ gro $18.00
Oxford ..... 30&10%
Rex ..... ₩ gr. $13.00
Royal Japanned 66⅔%
Rubber 66⅔%
Sargent's List 1894:
Bronze Metal ..... 75&10%
Japanned Surface, Single..70&10%
Japanned Surface, Double..60&10%
Mortise 55%
Model ..... 70@70&10&10%
Tuscan Surface, Single 7%
Tuscan Surface, Double 70%
Vigilant ..... 50&10@50&10&10%
Union Spring Hinge Co.'s list, March, 1894 ..... 30%
Union Mfg. Co 25%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $13.00

GATE HINGES—
Automatic ..... ₩ doz $12.50, 50%
Common Sense..₩ doz pair $4.50, 50%
Clark's Nos. 1, 2, 3 ..... 70&10&5%
Long's Self Closing 50%
N. E...₩ doz $7.80 ..... 60@60&10%
N. E. Reversible ..... ₩ doz $5.60 60@60&10%
N. Y. State..₩ doz $4.90..60@60&10%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Seymour's ..... 45&10%
Shepard's Nos. 1, 2, 3..50&10@60&10&5%
Western, ₩ doz $4.20 ..... 60@60&10%

BLIND HINGES—
Clark's:
Lull & Porter, Nos. 0, 1, 1¼, 2, 2¼, 3 ..... 50&10%
Mortise Gravity 50%
Nos. 1, 3, 5 ..... 50&10%
Nos. 40 and 50 ..... 50%
Huffer 65%
Parker ..... 75@75&10%
Sargent's Nos. 1, 3, 5, 11, 13, 75@75&10%
Shepard's or Wrightsville Hdwe. Co.:
Acme, Lull & Porter ..... 50&10%
Buffalo Gravity Locking, Nos. 1, 3 and 5 ..... 80& 0&5%
Champion Gravity Lockin , No. 7a ..... 50&10&10%
1838, Old Pat'n, Nos. 1, 3 and 5, 50&10%
Tip Pattern, Nos. 1, 3 and 5, 50&10&5%
Double Locking, Nos. 20 and 25..75%
Empire, Nos. 10 and 10½ 80%
Niagara Gravity Locking, Nos 1, 3 and 5 ..... 80&10%
Noiseless, Nos 50, 60, 65 and 65..80%
O. S. Lull & Porter ..... 80&10&5%
Pioneer, Nos. 060, 45 and 5¼..75&5%
Steam Boat Gravity Locking, No. 10 ..... 80&10&5%
Stranger's Noiseless 75%
Mortise Gravity 50%
Stanley's Steel Gravity Blind Hinges, ₩ doz. sets $1.20 ..... 40&10%

Hitching Cords—
Covert Mfg. Co 45%

Hoes—

HANDLED—
Crescent Cultivator, 6 in. ₩ doz. $3.75 net
Crescent Cultivator, 7 in. ₩ doz. $4.00 net
Crescent Double-Bit ₩ doz. $4.00 net
Crucible Cut-Easy..₩ doz. $4 50 net
Cotton ..... 8 & 12½%
Dunlap's Boys', Ladies', Toy 30%
Garden, Mortar, &c ..... 75&25%
Iowa Crucible Socket ..... 75&25%
Magic ..... ₩ doz $4.00
Mattock Hoe ..... ₩ doz. $4.00 net
Planter's ..... 80&20%
Texas Cut Easy ..... ₩ doz. $4.20 net
Warren Hoe ..... 60&10%

EYE—
American Axe & Tool Co 70%
Grub ..... 60&10@70&5%
Lane's:
Crescent Planters Pat ..... 45&5%
Razor Blade, Scovil Pat ..... 30&5%
Sandusky Tool Co., S. & O. Pat. 60@60&10%
D. & H. Scovil ..... 30@30%

Hog Rings and Ringers—
Hill's:
Rings ..... ₩ gr. boxes..$3.60@$4.00
Ringers ..... ₩ doz. 55@65c
Perfect Rings ..... ₩ gro. 90c
Perfect Ringers ..... ₩ doz. $1.00

Hollow Ware—

IRON—
Granite and Agate-Ware ..... 40&10%
Ironclad Enameled-Ware..60&10&10%
Rustless Hollow-Ware ..... 60@60&5%
Stove Hollow-ware:
Ground ..... 60&10&10@70%
Unground ..... 70&5@75%
White Enameled Ware:
Boilers and Saucepans ..... 62½@65%
Maslin Kettles ..... 75&5@75&10&5%
Tinned Boilers and Saucepans ..... 60&5@60&10%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Hartford Silver-Plate Co ..... 40&5%
Holmes & Edwards Silver Co. 40&10&5%
Meriden Britannia Co ..... 40&5%
Reed & Barton ..... 40&5%
Rogers & Brother ..... 40&5%
Simpson, Hall, Miller & Co ..... 40&5%
William Rogers Mfg. Co ..... 40&10%

Hooks—

BUSH—
Jennings & Griffin's ..... 40&10%
Light ₩ doz. $5.00; Medium ₩ doz. $5.50; Heavy $6.00

CAST IRON—
Bird Cage, Sargent's list ..... 60&10&10%
Bird Cage, Reading ..... 60@60&10%
Bird Cage, Williamson 50%
Ceiling, Sargent's list ..... 50&10%
Chandelier 70%
Clothes Line, Sargent's list..5 &10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading ..... 60&10%
Coat and Hat, Stowell's 70%
Harness, Sargent's list ..... 50@50&10%
Lamp 55%
Picture 75%
Screw Hat 70%
Wardrobe 55%

WROUGHT IRON—
Cotton ..... ₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works 80%
Hammock Hooks, E. C. Stearns, ₩ doz 60c
Picture, T. & S. Mfg. Co 75%
Tassel, T. & S. Mfg. Co ..... 60&10%
Wrought Staples, Hooks, &c. See Wrought Goods.

MEAT—
Enterprise 33⅓%
Wm. Johnson's:
8 in ..... ₩ doz. $2.20 net
10 in ..... ₩ doz. $2.70 net

WIRE—
Atlas Coat and Hat ..... 50@50&10%
Belt ..... 80@80&10%
Handy Coat and Hat 70%
Steady Ceiling 70%
Wire Coat and Hat, Acme ..... 60&10%
Wire Coat and Hat, Gem 70%
Wire Coat and Hat, Standard 45%

MISCELLANEOUS—
Carpenter's Amo. Grass Hooks, ₩ doz. $4.00
Covert's Saddlery Works:
Self-Locking Gate and Door Hooks ..... 60&20%
Dunlap's Merchandise 25%
Grass, No. 2, $1.6 ; 3, $1.80; 4, $2.00
Hooks and Eyes—Brass ..... 70&10%
Hooks and Eyes—Mal. Iron 75%
Wm. Johnson's Cotton, Box and Hay 60%
Stowell's:
Clothes Line 70%
Harness 70%
Hotel & School House 70%
Whiffletree ..... ₩ lb 4½c

Horse Nails—

	Nos.	6	7	8	9	10
A. C.		25c	25c	23c	21c	21c.

40&10%
American, all sizes, 9½@10c ..... net
Ausable ..... 28c 26c 25c 24c 23c. 40&10&5%
Anchor ..... 28c 21c 20c 19c 18c 40%
C. B. K 25c 23c 23c 21c. 21c 40%
Capewell ..... 19c 18c 17c 16c 16c..10&5%
Champlain..28c 28c 25c 24c 23c 40&5&2%
Clinton Fin..19c 17c 16c 15c 14c. 80&10&5%
Empire Bronzed 10c
Essex ..... 28c 26c 25c 24c 23c. 40&10@50%
Lyra ..... 9½c 9½c 9½c 9½c., net
Maud S ..... 25c 23c 23c 21c. 21c 50&10&5%

	Nos.	6	7	8	9	10
Northw't'n.		25c	23c	23c	21c	20c.

25@25&5%
Putnam ..... 23c 21c 20c 19c 18c 25%
Snowden, 9½c 9½c 9½c 9½c., net
Vulcan ..... 23c 21c 20c 19c 18c 25%
Western, 5 to 10d 9c

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co 45%

Hose, Rubber—
Boston Belting Co.:
"Boston" ..... 50&10&5%
"Imperial" ..... 60&10%
Competition ..... 75@75&10%
Extra ..... 60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para ..... 40&10%
Reliable ..... 50&10%
Staple ..... 60&10%
Standard ..... 70&10@70&10&5%

Ice Awls, Chippers, &c.—
Copeland Ice Pick ..... ₩ gr $9.00 net
Crown ..... net
Dunlap's:
No. 1 ..... $3.50 per doz 20%
No. 20 ..... $12.00 per doz 20%
Gem Ice Shave ..... net
Sargent's Ice Awls 55%
Star ..... net

Ice Shredders—
Enterprise, No. 33, ₩ doz. $7.20..25%
No. 34 ..... ₩ doz. $15.00..25%

Jack Screws—
See Screws.

Kettles—
Spun Brass, Plain ..... 15@30%
Spun Brass, plated inside with White Metal ..... 10@15%

Knives—
Ames':
Bread Knives. ₩ doz. $1.50..30@35%
Butcher Knives ..... 25@35&10%
Shoe Knives ..... 25@30%
Dunlap Kitchen and Br'd Knives 25%
Foster Bros.' Butcher, &c 40%
Goodell's:
Bread Knives Ass'n list ..... net
Butcher 25%
Shoe Knives 40%
Hay and Straw, see Hay Knives.
Nichols' Butcher Knives 50%
Table and Pocket, see Cutlery.
Wilson's Butcher Knives..25@25&5%

Knobs—
Bardsley's Wood Door, Shutter and Base 15%
Base, Rubber Tip, 2¼ in. Bead, ₩ gr ..... $1.25@$1.50
Carriage, Jap ..... ₩ gro. 80c, 60&10%
Door Knobs, Hemacite ..... 50&10%
Door Mineral ..... ₩ doz. 55@70c
Door Por. Jap'd ..... ₩ doz. 65@70c
Door Por. Nickel ..₩ doz. $1.70@1.80
Drawer, Porcelain..60&10@60&10&10%
Picture, Hemacite ..... 50&10%
Picture, Judd's ..... 50&10&10%
Picture, Sargent's ..... 70&10%
Shutter, Porcelain 70%
Yale & Towne Wood, list Dec. '95. 40%

Ladles, Melting—
Monroe's Pat ..... ₩ doz $4.00, 40%
P. S. & W ..... 35&10@40%
Reading ..... 50&10%
Sargent's ..... 60@60&10%
Warner's 30%

Lanterns—
Buhl Stamping Co:
No. 100 Buhl Tubular Headlights, ₩ doz. list $30.00
No. 15 Buhl Side Lever, ₩ doz. list $7.50
No. 10 Buhl Improved Regular, ₩ doz. list $7.00
No. 20 Buhl Square Top Lift, No. 2, ₩ doz. list $11.00
No. 50 Buhl Dash Reflector, ₩ doz. list $10.00
No. 200 Buhl Dash Reflector, No. 2, ₩ doz. list $17.00
Discount ..... 40&5%

Latches—
Cronk's Sliding Door 60%
Lane's Barn Door 40%

Lawn Mowers—
Champion ..... 75&10%
Continental ..... 60&10%
Drexel Cheap Mowers ..... net
Enterprise 40%
Genuine Philadelphia Mowers:
C. K. L ..... 70&10%
Styles A., and E ..... 60&10%
Styles, D., D. O. W., M., S., T., Great American ..... 70&10%
Imperial ..... 60&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%
New Easy ..... 60&10@60&10&10%
New York ..... 60&5%
Pennsylvania ..... 60&10%
Rapid Transit ..... 70&10&10%
Standard ..... 60&5%
Sunbeam ..... 60&10%

Lawn Sprinklers—
Enterprise 25%
Gibbs' Arc ..... ₩ doz. $10.00
Gibbs' Hustler ..... ₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler:

	No. 1,	No. 2,	No. 3,
₩ doz.	$12.00	$15.00	$24.00..35%

Lemon Squeezers—
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40 ..... 30%
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.55; Queen $3.50 net
Dunlap's Improved ₩ doz. $3.75 20%
Hotchkiss, Straight Flush ₩ doz. $9.60
Jennings' Star...₩ doz. $1.90@$2.00
Little Giant ..... 50@50&5%
Porc. Lined, Iron ..... $3.25@$3.50
Porc. Lined, Wood ..... ₩ doz. $6.00 $3.5&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.

Letter Box Plates—
Name Door Plate ..... 50@50&10%
Name Plate 70%
Number Door Plate ..... 60@60&10%
Sargent's ..... 60&10@70%

Levels—
C. E. Jennings & Co.'s:
Hexagon ..... 25&10%
Iron Bench, new design ..... 25&10%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's 50%
Cotton Chalk, 20 feet ..... 60&10%
Cotton Trot 33⅓%
Masons':
Colored Cotton ..... 40&10%
Flax ..... 40&10%
No. 0 to 5 ..... 25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50 ..... 10%
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro 25%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz. $7.50. 20%
Wire Clothes, 100 feet, No. 18, $2.25; No. 19, $2.00; No. 20, $1.75

Locks—

DOOR LOCKS, LATCHES, &c.—
Barnes Mfg Co ..... 40@40&10%
Branford Lock Co ..... net prices
Brooklyn Latches ..... 50&10%
Champion Night Latches 40%
Dietz Flat Key 30%
Mallory, Wheeler & Co ..... 60&10@70%
Norwalk Lock Co ..... 60&10%
Plate 33⅓%
R. & E. Mfg. Co ..... 60&10@70%
Reading Hdw. Co ..... 60@60&10%
Romer's Night Latches ..... 30&5%
Sargent & Co ..... 60&10@60&10&10%
Slaymaker, Barry Co's:
Corrugated Key Latch ..... 35&5%
All other Night Latches 40%
Yale ..... net prices

CABINET—
Barnes Mfg. Co ..... 40@40&10%
Dietz:
Nos. 22 to 39 ..... 40%
Nos. 41 to 78 ..... 45%
Nos. 87 to 96 ..... 30%
Eagle Lock Co ..... 45&2%
Charles Parker Co ..... 45&2%
Romer's 25%
Stoddard Lock Co ..... 30@33⅓%
Yale ..... 45&5%

PADLOCKS—
Acme Bicycle and Satchel per doz. $9.00 ..... 40%
Ames Sword Co 40%
Barnes Mfg. Co ..... 50@50&10%
Champion 40%
A. E. Dietz 40%
Eagle 40%
Eureka, Eagle Lock Co ..... 40&2%
Gem, Corbin's ..... 40&2%
Romer's Nos. 0 to 3 ..... 40&5%
Scandinavian ..... 30&40@30&40&10%
Smith & Egge Bicycle 50%
Wrought Iron ..... 75@30%
Yale Lock Co ..... net prices

TRUNK—
Corbin's 35%
Eagle 35%

Mallets—
Sargent's List
Hickory ..... 50@25&10%
Lignumvitæ ..... 50@25&10%
Raw-Hide ..... 40&10%

Mattocks—
Regular list ..... 70@70&10%

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Meat Cutters—

American 30%
Nos. 1 2 3 4 5
Each $5 $7 $10 $35 $50 $60

Beef Shavers (Enterprise) 30%
Chadborn's Smoked Beef Cutter, ₩ doz $40.00
Dixon's ..... ₩ doz 33⅓%
Nos. 1 2 3 4
$14 $17 $19 $30
Enterprise 35%
Nos. 10 12 22 32 42
Each $3 $2.50 $4 $6 $15
Hales Pattern, ₩ doz ..... 70@70&5%
Nos. 11 12 13
$27 $33 $45
Home No. 1, ₩ doz $26 ..... 60%
Little Giant ..... 50&10%
Nos. 305 310 313 320 323
$35 $48 $44 $72 $68
Miles' Challenge ₩ doz ... 45@45&10%
Nos. 1 2 3
$23 $30 $40
Perfection ..... net
Woodruff's ₩ doz 33⅓%
Nos. 100 150
$15 $18

Metals, Anti-Friction—

Magnolia Metal Co.:
Magnolia, Anti-Friction, ₩ ℔ .. 25c
No Name, ₩ ℔ .. 18c
Mystic, ₩ ℔ .. 8c
f. o. b. New York or Chicago.

Molasses Gates—

Enterprise 20%

Mop Wringers—

Matchless (Janton, O.), ₩ doz. $13.00

Nails—

WIRE AND CUT NAILS—

See Trade Report for quotations.
Wire Nails and Brads, Papered, Ass'n list, May 1, 1893 ..... 67½%
Grand Crossing Tack Co. List:
Wire Brads 80%
Wire Nails 80%

PICTURE—

Brass Head, Combination list, 50& 10%
Brass Head, Sargent's list, 70&10@ 70&10&5%
Niles' Patent 40%
Porcelain Head, Comb'n list, 40&10%
Porcelain Head, Sargent's list, 50& 10%

FURNITURE—

Antique Bronze 10%
China 25%
Fire Gilt 10%
Plain 40%

Nail Pullers—

Black Hawk, per doz $9.00
Giant, No. 1, ₩ doz $18.00; No. 1½, $16.50; No. 2, $15.00 ..... 30&5%
Lightning ..... ₩ doz $18.00, 20%
National 40%
Pelican ..... ₩ doz $9.00, 15&10%
Scranton No. 2 ..... ₩ doz. $10.00
Scranton No. 3 ..... ₩ doz. $9.00

Nail Sets—

Buck Bros. 27½%
Cannon's Diam'd Point ₩ gr. $12, 25%
Dunlap's 20%
Humason's ..... 50&10%
Hunters' Cup Point Knurled ..... ₩ gro. $10.00
Hunters' Cup Point, Plain ..... ₩ gro. $9.00
Round, assorted ..... ₩ gr. $3.00@3.25
Square ..... ₩ gr. $4.00@$4.25

Nippers—

Acme 50%
Smith's Cutting 50%
Todd's Cutting 50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00 .. 40%
Turner & Seymour Mfg. Co. 60%

Nuts—

Cold Punched, Square, off list. $5 40
Hex, off list $5 70
Hot Pressed, Square, off list .. $5.90
Hex, off list $6.70
Tapped 50%

Oilers—

Brass and Copper ..... 50&10%
Cushman & Denison's:
Pocket Oilers ..... ₩ doz. $1.65
Star Pocket Oilers ..... .75
Draper's:
Brass ..... 70&10%
Steel ..... 70&10%
Malleable, Hammers, New Style, 10@10&5%
Malleable, Hammers, Old Pattern, same list ..... 50&10%
"Paragon," Brass ..... 50&10@60%
"Paragon," Zinc ..... 70@70&10%
Tower & Lyon Bicycle 25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust 75%
Zinc and Tin ..... 70&10@75%

Oil Stones, etc.—

OIL STONES—

Pikes Washita:
Lily White, ₩ ℔ 60
Rosy Red 60
Extra Green Paper Wrapper, ₩ ℔ ..... .50
No. 1 ..... .40
No. 2 ..... .30

Pike's Washita Round Edge Slips: 3 to 5x1¾ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White 90
Rosy Red 80
Extra, same sizes as above 80
No. 1 70
No. 2 40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔ ..... .70
Discount 33⅓&.

Pike's Washita Mounted No. 1:
8x2, ₩ doz $12.00
7x2, " 11 00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.

Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ ℔ ..... .34
" 2x2x1½, extra selected .. .40
Discount 33⅓&.

Packing, Steam—

RUBBER—

Boston Belting Co.:
" Boston " 60%
" Excelsior " Self-Vulcanizing, per ℔ 70c. 40%
Boston " Phœnix " Red Sheet, per ℔ ..... 50c. net
Extra ..... 60&5@60&10&5%
Standard, Fair Quality .. 70&10@75%

MISCELLANEOUS—

American Packing ..... 9c@10c ₩ ℔
Cotton Packing ..... 14c@15c ₩ ℔
Italian Packing ..... 12c@14c ₩ ℔
Jute ..... 6c@7c ₩ ℔
Russian Packing ..... 13c@14c ₩ ℔

Padlocks—

See Locks.

Parers—

APPLE—

Advance ..... ₩ doz $4.50
Baldwin ..... ₩ doz 5.00
Bonanza ..... each 5.00
Daisy ..... ₩ doz 3.50
Dandy ..... each 7.50
Eureka, 1888 ..... each 16.00
Family Bay State ..... ₩ doz 12.00
Favorite ..... ₩ doz 5.00
Gold Medal ..... ₩ doz 4.00
Ideal ..... ₩ doz 4.00
Improved Bay State, ₩ dz .. $27@30.00
Little Star ..... ₩ doz 4.00
Monarch ..... ₩ doz 13.50
New Lightning ..... ₩ doz 5.50
Oriole ..... ₩ doz 4.00
Penn ..... ₩ doz 3.00
Perfection ..... ₩ doz 4.00
Pomona ..... ₩ doz 4.00
Reading, 72 ..... ₩ doz 4.00
Reading, 78 ..... ₩ doz 7.00
Rocking Table ..... ₩ doz 5.50
Scott's Pat. Rotary, ₩ doz $15.00, 20%
Turntable ..... ₩ doz 4.50
Victor ..... ₩ doz 13.50
Waverly ..... ₩ doz 3.75
White Mountain ..... ₩ doz 4.00

POTATO—

Antrim Combination .... ₩ doz 5.50
Hoosier ..... ₩ doz 13.50
Saratoga ..... ₩ doz 5.50
White Mountain ..... ₩ doz $4.50

Pencils—

Dixon's:
Carpenters' ..... ₩ gr. $4.00@7.50
Carpenter, Yellow or Brown Lead ..... ₩ gro. 9.00
Lead ..... ₩ gro $4.50
Lumber ..... ₩ gro. 6.37
Mascot, Hexagon ..... ₩ gro. 3.38
Mascot, Round ..... ₩ gro. 3.10

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00 ..... 70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Bailey's (Stanley R. & L. Co.) 50&10@50&10&10%
Bench, First Quality 55%
Bench, Second Quality .... 60@60&10%
Fales Bench 25%
C. E. Jennings & Co. ..... 50&10%
Molding 50%

IRON PLANES—

Chaplin's Iron Planes ..... 50&10%
Davis's Iron Planes ..... 40@40&10%
Gage Tool Co.'s Self-Setting 35%
C. E. Jennings & Co., Iron .. 50&10%
Meriden Mal. Iron Co.'s .. 40@40&10%
Sargent's ..... 60@60&10%
Siegley's:
Bench 40%
Combination, each ..... $4 50 net
Standard Tool Co. ..... 50@50&5%
Stanley Rule & Level Co.:
Bailey's .. 50&10&10@50&10&10&5%
Miscellaneous ..... 25&10%
Steer's Iron Planes .. 50&10@50&10&5

PLANE IRONS—

Auburn " Thistle " .....
Ohio .....
Sandusky ..... } 30&10@40%
Buck Bros. 30%
Butcher's ..... $5.00@$5.25 to 2
Hinsdale ..... 25&10%
C. E. Jennings & Co. ..... 25&10%
Stanley Rule & Level Co. ..... 50&10%
L. & I. J. White ..... 30&5@35%

Pliers and Nippers—

Button's ..... 70&10@70&10&5%
Carew's Pat. Wire Cutters 35%
Cronk's:
Button Pattern 70%
Gas Pliers, No. 100 ..... 40%
Stubb's Pat. Pliers 50%
Hall's Nippers, ₩ doz., No. 2, 5 in. $12 50; No. 4, 7 in. $21.00 .... 40&10%
Hall's Pliers 70%
Humason & Beckley Mfg. Co. 50@50 &10%
Wm. Johnson's Gas Pliers 66⅔%
Morrill's Parallel, ₩ doz $12.00 30&5%
Smith's Side Cutting 25%
Stube's 20%
Swiss Pliers 25%
P. S. & W. Cast Steel ..... 50@50&5%
P. S. & W. Tinners' Cutting Nippers ..... add 6% dis. 10%

Plumbs and Levels—

Cook's ..... 40&10&10%
Davis':
Inclinometers 20%
Iron Levels ..... 25&10%
Disston's 50%
Wm. Johnson's 75%
Plumb Bobs 40%
Pocket Levels ..... 70&10&10@75&10%
Stanley's ..... 75&10&10%
Stanley's Duplex ..... 25&10%
Wood's Extension Sight 33⅓%

Poachers—

See Egg Poachers.

Police Goods—

J. P. Lovell's Police Goods 35%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz 10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz 10%
Tower & Lyon's 25%

Polish, Metal—

Prestoline Liquid, New List 40%
Prestoline Paste ..... 33⅓@40%

Polish, Stove—

Dixon's Plumbago ..... ₩ ℔ 8c
Joseph Dixon's ..... ₩ gro $5.75, 10%
Gem ..... ₩ gro $4.50, 10%
Lustro ..... ₩ gro $4.75
Rising Sun ..... ₩ gro $5.50@$5.75

Poppers, Corn—

Round or square,
1 qt., ₩ doz. $ .75; ₩ gr. $6.50 } 10@
1½ qt. ₩ doz. $ .85; ₩ gr. $8.00 } 15%
2 qt., ₩ doz. $1.15; ₩ gr. $12.00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3.00; 2 qt., $4 00 ..... 33⅓%

Post Hole Diggers—

Ryan's ..... ₩ doz., $20.00, 25%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Cronk's Pruning Shears 33⅓%
Disston's Combined Pruning Hook and Saw ... ₩ doz $18.00, 25@25&10%
Disston's Pruning Hook ... ₩ doz $12.00, 25@25&10%
Dunlap's Saw and Chisel .... ₩ doz $3.50, 30%
Henry's Pruning Shears ₩ doz $3.50@$3.75
E. S. Lee & Co.'s Pruning Tools. 40%
P. S. & W. Co.'s Shears 60%
Pruning Shears, Henry's Pat. ₩ doz ..... $3.50@3.75
Waters Tree Pruners ..... 75&10%
Wheeler, M. & C. Co.'s Combination ..... ₩ doz $12.00, 25&10%

Pulleys

Awning ..... 60@60&10%
Axle ..... 60&10@60&10 & 10%
Brass Screw ..... 66⅔@ 0%
Ceiling ..... 50@ 0& 60%
Clothes Line, Japanned .. 60@60&10%
Common Sense 60%
Dumb Waiter ..... 60@60&10%
Empire Sash Pulley 60%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50 ..... 50&10@60&10&5%
Hay Fork, " Anti-Friction," 5 in Solid, $5.70 ..... 50%
Hot House ..... 50&10@50&10&10%
Stowell's Anti-Friction 5 in. Wheel, ₩ doz $12.00 ..... 40%
Side, Anti-Friction 50%
Shade Rack 45%
Upright ..... 50&10@50&10&10%

Pumps—

Cistern, Best grades .. 65&10@70&10%
Pitcher Spout, Best grades 75&10@80%
Pitcher Spout, Cheaper Goods. 80&5@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump $13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump $15.00
No. 5, Fig 307, 3 in. Deep Well Pump $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump $17.00
No. 14, Fig. 521, 3 in. Deep or Shallow Well Pump $15.00
No. 32, Fig. 523, 3 in Deep Well Pump $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump $14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump $17.00
No. 70 Fig. 333, 2½ in Deep Well Pump $15.00
No. 72, Fig. 333, 3 in. Deep Well Pump $15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump $16.00
No. 102, Fig. 448, 3 in. Lift Pump $10.00
No. 103, Fig. 448, 3½ in. Lift Pump $12.00
No. 128, Fig. 510, 3 in. Lift Pump $7.00
No. 131, Fig. 510, 3½ in. Lift Pump $8.50
No. 226, Fig. 389, Windmill Pump $12.50
No. 230, Fig. 402, Windmill Pump $13.50
No. 235, Fig. 402, Windmill Pump $14.50
No. 240, Fig. 406, Regulator Pump $30.00
No. 260 Fig. 484, Imperial Cyclone Pump $18.00
No. 265, Fig. 572, Cyclone Tank Force Pump $17.00
No. 267, Fig. 483, Geyser Tank Force Pump $17.00
No. 268, Fig. 513, Low Down Tank Force Pump $16.00
No. 302, Fig. 477, Spray Pump complete $11.50
No. 350, Fig. 492, Bucket Spray Pump $5.50
No. 351, Fig. 547, Knapsack Spray Pump $10.00
Discount 55% f. o. b. Ashland.

Punches—

Avery's Revolving 40%
Avery's Saw-Set and Punch. See Saw Sets.
Bemis & Call Co.'s:
Cast Steel Drive, ... 50@5%
Check 55%
Spring ..... 50&5%
Springfield Socket 65%
Morrill's Universal 35%
Niagara Hollow 45%
Niagara Solid 55%
Rand's Centering Marking Tool .. 25%
Rice's Hand 15%
Saddlers' or Drive, good ₩ doz., 60@65%
Spring, good quality, ₩ doz $1.70@1.80
Spring, Leach's Pat. 15
Tinners' Solid, P. S. & W. Co. ₩ doz. $1.44, 55%
Tinners' Hollow, P. S & W. Co 20&5%

Rail—

	Barn Door, Light, In.	⅛	¼	⅜
	Per 100 feet	$1.40	1.95	2.80

Barn Door, " None Better " No. 1, ₩ foot 2¾c
Barn Door, " None Better " No. 2, ₩ foot 3¼c
B. D. for N. E. Hangers:

	Small	Med.	Large
Per 100 feet	$1.60	2.00	2.50

Carrier Steel Rail, ₩ foot 4½c
Cronk's:
Competition ..... ₩ foot, 2½c
Common ..... ₩ foot, 2¼c
Double Braced ..... ₩ foot, 2¾c
Lanes' O. N. T. ..... ₩ 100 ft. $2.40
Stowell's Wrought Steel 35%
Sliding Door, Bronzed Wr't Iron .. ₩ ft. 6½c
Sliding Door, Iron, Painted ... ₩ ft 3c
Sliding Door, Wr't Brass, 1½ n. ₩ ℔, 36c ..... 30&10@40&5%
Terry's Steel Rail, ₩ foot 3¼c
Victor Track Rail, 7c ₩ foot, 60&10&3½%

Rakes—

Cast Steel, Association goods. 75&15%
Fort Madison Red Head Lawn, $3.25
Ft. Madison Blue Head Lawn, $3.00
Gibbs':
Acme ..... net ₩ doz. $4.00
Boss, Garden, 14 teeth, net ₩ doz. $2.60
Boss, Garden, 18 teeth, net ₩ doz. $2.75
Canton Lawn Rake ... ₩ doz. $3.50
Crown Lawn, No. 1 .... ₩ doz. $3.50
Hustler, No. 0 ..... ₩ doz. $3.30
Lawn Rake ..... ₩ doz. $4.75
Malleable ..... 70&10@75%
Oneida Lawn ..... doz. $6.00
Peerless Socket and Shank .. 75&15%
Prize Bow-Brace ..... 75&15%
Queen City 33⅓%

Razors—

Electric ..... List net
J. R. Torrey Razor Co. 30%
Westenholm and Butcher, $10.00 to $ 10%

Registers—

Stowell's:
Japanned ..... 80&10%
Nickel-plated ..... 75&10%

HOT AIR—

Ferrosteel, Japanned ..... 80&10%
Ferrosteel, Nickelplated ..... 75&10%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

American Screw Co.:
Bay State Rivets ..... 75&5%
Burrs 75%
Soft Steel 80%
Copper ..... 60&10&5@60&10&10%
Norway, list Feb. 20, '96 ..... 70%

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Rivet Sets—

Regular list ..... 70@70&10%

Rollers—

Barn Door, Sargent's list..60&10&5%
10@70%
Cronk's:
Acme Barn Door. 50%
Adjustable Stay..₩ doz. $1.00 net
Screw Stay.....& doz. 60c net

Rope

Cotton Rope, Best,
¼ in. and larger.....₩ lb 14½@15c
Medium, ¼ in. and larger.....₩ lb 13 @13c
Common, ¼ in. and larger.....₩ lb 9½@10c
Jute Rope.....₩ lb 5½c
Manila:
7-16 in. and larger..₩ lb 6¼@6½c
½ in.....₩ lb 6¾@7 c
¼ and 5-16 in.....₩ lb 7¼@ 7½c
Hay Rope, Med.....₩ lb 6½@6¾c
Sisal, ½ in.....₩ lb 5½c
¼ and 5-16 in.....₩ lb 5¾c
7-16 in. & larger.....₩ lb 4¾c
Med. L'th Y'rn.....₩ lb 4¼c
Hay Rope.....₩ lb 4½c

Rules—

Athol, Steel.....33⅓%
Boxwood..50&10&10&10@50&10&10
&10&10%
Ivory.....50&10@50&10&10%
Lufkin's:
Steel.....55%
Lumber.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—

Chinese Laundry.....₩ lb 4½@5c
Chinese Sad.....3¼@3½c
Colebrookdale Iron Co.:
Crown, Improved Pol. ₩ doz $6.50
Nickel.....₩ doz. $7.00
Common 4 to 10.....₩ lb 2½@2¼c

COLD HANDLED—

Enterprise Mfg. Co. of Pa.:
No. E 50, nickel plated, size 1, 2 or 3, with "best" handles, ₩ doz..... $7.45
No. E 50, nickel plated, size 1, 2 or 3 without handles, ₩ doz. $4 45
No. E 55, plain polished, size 1, 2 or 3, with "best" handles, ₩ doz $7.70
No E 55 plain polished, size 1, 2 or 3 without handles, ₩ doz. $4.00
No E 60, nickel-plated, size 1, 2 or 3 with "best" handles, ₩ doz $8.25
No. E 60, nickel-plated, size 1, 2 or 3 without handles, ₩ doz. $5.25
No. E 60, nickel-plated, size 4, with "best" handles, ₩ doz $9.50
No. E 60, nickel-plated, size 4, without handles, ₩ doz..... $6 50
No E 65, plain polish d finish, 2 or 3, with "best" handles, ₩ doz..... $7.75
No E 65, plain polished, size 1, 2 or 3 without handles, ₩ doz. $4.75
No. E 65, plain polished, size 4, with "best" handles..... $8.80
No. E 65, plain polished, size 4, without handles $5.80
The "Best" Handles, with Forged Iron Stretchers, ₩ doz..... $3.00
Self-heating.....₩ doz $10.00, 20%
Self-heating,Tailors' ₩ doz $22.50, 25%
Sensible Nickel.....₩ doz. $7.00
Sensible Pol. .....₩ doz $6.50
Sensible, Tailors'.....₩ lb 30@34c

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Emery Cloth.....5½@10@60%
Garnet Paper. ..... 30@ 40%
Sand and Emery Paper.5 & 10@20%

Sash Chain—

Giant 40%
Monarch 50%
Red Metal.....40&10&10%
Steel.....40&10&10%

Sash Cord—

Cable Laid Italian Sash.....₩ lb 16c
Cable Laid Russia....₩ lb 13½@14c
Common .....₩ lb 8½@9c
Common Russia Sash.₩ lb 12½@13c
India Hemp Sash.....₩ lb 9½@10c
Jute, good quality.....₩ lb 11c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ lb 30c
"Samson" Braided Drab, Cotton.....₩ lb 35c
"Samson" Braided Italian Hemp .....₩ lb 33c
"Samson" Braided Linen, ₩ lb 56c
Silver Lake:
A Quality, Drab..₩ lb 55c. 35@40%
A Quality, White, ₩ lb 50c. 35@40%
B Quality, Drab, ₩ lb 35c ..... 15@15&7½%
B Quality, White ₩ lb 30c..... 15@15&7½%
White Cotton Braided..₩ lb 21c@25c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts Flush 70%
Sash Lifts With Lock.....60&10&10%
Sash Rollers.....70%
Shutter Bars.....60&10@70%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%

Sash Locks—

Champion Safety .....70&10&5%
Corbin's Daisy, '95 list.....40@45%
Davis, Bronze, Barnes Mfg. Co. ..60%
Hammond's Window Springs, A .....50&10%
Hammond's Window Springs, B. 50%
Ives' Patent....60&10&5@60&10&10%
Payson's Perfect.....70%
Reading .....60&10&10@70%

Sash Weights—

Small lots.....₩ ton, $20.00@$21.00
Ton lots at factory.....$18.00@$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
National Specialty Mfg. Co.....25%

Saws—

Atkin's:
Band.....50&10%
Butcher, Pruning and Compass.....40&10%
Circular .....50&10%
Cross Cut.....40&10%
Gang.....50&10%
Hand.....40&10%
Wood.....40&10%
Disston's:
Circular.....45@50%
Cross Cuts.....40&10%
Gang.....40%
Panel, Hand & Rip.....25%
Haines' Needle Point.....40%
C. E. Jennings & Co.'s:
Butcher..... 30%
Hand Panel, Rip and other Saws 25%
Peace:
Cross Cuts.....45&10%
Hand Panel and Rip..... 25&10%
Richardson:
Circular and Mill.....45&10%
X Cuts.....45&10%
Hand-saws.....25&10%
Star, Butcher.....25%
Woodrough & McParlin Cross Cuts.....45&10%

HACK SAWS AND FRAMES—

Chatillon 30%
Grimm's:
Complete.....40&10%
Saw Blades.....40&10&50%
Star, Saws and Blades.....25%

Saw Frames—

C. E. Jennings & Co.....20%
Red, Polished and Varnished..₩ doz., $1.00@$1.10
Richardson's Wood.....net
White Vermont..₩ gro. .$8.50@$9.00

Saw Sets—

Atkin's:
Criterion Saw Sets. ₩ doz.....$6.00
Excelsior Saw Tools ₩ doz....$6.00
Bemis & Call Co.'s:
Cross Cut.....30&5%
Hammer, New Pat.....45%
Plate.....20%
Spring Hammer..... 30&5%
Disston's Star.....25@25&10%
Hart's Pat. Lever.....20%
Kohler's:
"Giant Royal".....₩ doz. $10.00
"Royal".....₩ doz $6.00
Leach's. 33⅓%
Morrill's:
No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Cross-cuts Nos. 3 and 4, $23.00; No 5, $31.00.....40&20%
Richardson's 25%
Seymour Smith & Son, Hammer. ₩ doz..... .....$4.75
Stillman's ₩ doz.....$1.00
Taintors Positive...$18.00 ₩ doz. 60%

Scales—

Chatillon's:
Eureka.....25%
Favorite.....40%
Grocers' Trip Scales.....50%
Family, Turnbull's.....30@30&10%
Hatch:
Counter, No. 171, ₩ doz. $17.00@ $18.00
Tea, No. 161.....₩ doz. $5 75@$6.00
Union Platform Plain...$2.00@$2.10
Striped.....$2.15@$2.25

Scale Beams—

Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%
Scale Beams, List Jan. 12, '92.50&10%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $8.00.....40&10%
Box, 1 Handle.....₩ doz., $2.00
Box, 2 Handle....₩ doz., $3.60@$4.00
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60@60&5%
Extension .....50&10&5%
Flyer.....50&10&5%
Perfection Screens.....60@60&5%
Window Screen Frames.....60&5%
Stearns':
Frames and Corners....25@25&10%
Gem Window Screen Frames, 25&10%
Monarch Adjustable Window Screens.....50%

Screen Doors—

Phillips:
Empire Fancy.....30&35%
Fancy Pine.....15%
Painted.....50&5%
Stained .....50&10%
Standard Oil..... .....35&40%

Screw Drivers—

Brace Screw-Drivers.....35&10&5%
Buck Bros..... 40%
Screw-Drivers Bits.....27½%
Champion.....40&10%
Disston's..... 5 @5&10
Pat. Excelsior.....5 & 5%
Ellrich's Socket and Ratchet.40&10%
Fray's Hol. Hdle. Sets, No. 3, $12.50%
Howard-Allard .....50&10&10%
C. E. Jennings & Co.....40&10%
Jennings & Griffin.....65&10%
Wm. Johnson's:
1 5 A .....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½ 75%
142 Ebonized Handle.....70%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20 and 40 ..... 50@50&10%
Screw-Driver Bits....₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $6.25
N. E. Specialty Co.'s.....50&10%
Stanley R. & L. Co.'s:
No. 61, Varnished Handles.70&10%
No. 66.....75&10%
Tower & Lyon:
Champion 33⅓%
"Handy" Ratchet.....25%
Williamson's:
Beauty, ₩ doz.....$1.00 } 40%
Gem, ₩ doz.....90c }
C.T. Williamson Wire Novelty Co.40%

Screws—

WOOD SCREWS—

Brass, Flat Head.....90%
Brass, Round Head.....85%
Bronze, Flat Head.....87½%
Bronze, Round Head.....85%
Copper, Flat Head.....65%
Copper, Round Head.....60%
Drive Screws..... .....90%
Iron, Bright Flat Head 90%
Iron, Br't R'd & Oval Head.....85%
Iron, Forged Flat Head.....90%
Nickel Plated, Flat Head.....80%
Nickel Plated, Round Head....77½%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Silver Plated, Flat Head.....60%
Silver Plated, Round Head.....60%

MACHINE—

Brass, Flat Head.....45%
Brass, Round Head.....40%
Iron, Flat Head.....45%
Iron, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron, ₩ doz., 1 in., $2.75; 1¼, $3.00; 1¼, $3.50
Bench, Wood, Beech, ₩ doz $2.00@$2.10
Chair..... .....60&10%
Coach..... .....82½%
Hand Rail Am. Screw Co.....82½%
Hand Rail, H. & B. Mfg. Co.....80%
Hand Rail, Sargent's. ....70@70&10%
Hand, Wood.....30&10@40%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W..40@40&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'.....40&10%
Lag Blunt Point, list Jan. 1, 1890. 75&20@80 &10%
Piano Stool.....60&10%

Scroll Saws—

Barnes' No. 1, $8; No. 6, $10; No. 7 $15.....25%
Barnes Scroll Saw Blades.....40%
Cricket.....10&10%
C. E. Jennings & Co..... 20%
Lester, complete, $10.00..... 1 &10%
Rogers, complete, $4.00.....15&10%

Scythes—

Grain.....50&10%
Grass .....50&10%
Scythe Snaths.....50&10@50&10&5%

Seeders—

Raisin, Enterprise..... .....25%

Shaft Couplings—

Bradley's:
Buggy, No. 8, ₩ Set.....$1.25
Surrey, No. 9, ₩ Set..... $2.50

Shears—

Acme (Cast).....40@40&5%
Ætna, Steel Japanned.....
Ætna, Steel Nickeled.....70&20%
Barnard's Lamp Trimmers.₩ doz.$3.75
Clauss:
Nickel.....60%
Japanned.....70%
Davenport Cutlery Co.'s...60@60&10
Heinisch's:
St. Trimmers, etc...80&10&10@70%
Tailor's Shears..... 5 &10@40%
Pruning, See Pruning Hooks & Shears.
Seymour's List, Dec., 1881. 60&10@60&10&10%
Wiss & Sons:
Japanned.....70%
Nickeled.....80%
Tailors' Shears.....60&10%
Tin Snips.....45%

Sheaves—

SLIDING DOOR—

Corbin's list..... 60&10&5%
Hatfield's Pattern.....70&10@80%
M. W. Co., list July, 1897..50&10@60&5%
Stowell's Anti-Friction..... 50%
Patent Roller.....60&10@60&10&5%
R. & E., list August 15, 1896. 60&10@60&10&5%
Russell's Anti-Friction, list Dec. 18, 1895 .....60&5%

SLIDING SHUTTER—

Reading list.....60%
R. & E. Mfg. Co.'s.....@60&10%
Sargent's list.....60@60&10%

Shoes, Horse, Mule, &c.—

HORSE—

Bryden's Frog Pressure.....$4.00
Burden's, Perkins', Phœnix and Brydens, from jobb's..$3.15@$3.40
Perkins Steel Side Weight Hind $3.15@$3 40
Perkins Improved Snow.....₩ lb 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ lb 9c
1000 lb lots.....₩ lb 9½c
500 lb lots.....₩ lb 10c

Shot—

See Ammunition.

Shovels and Spades—

O. Ames & Sons:
C.S. Edge.....6@7½%
Pat. Cast Steel.....7½@10%
Blair's Cast Steel.....5%
Bouve's Steel 10%
Carter's Cast Steel..... 5%
Sanderson's Cast Steel..... 5%
Stone's Cast Steel..... 5%
H. M. Myers and other manufacturers are now selling at Association discounts.

Shovels and Tongs—

Brass Head.....60&10@60&10&10%
Iron Head.....60&10@60&10&5%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $10@11.50

Skate Sharpeners—

Eureka...₩ doz. $1.75; ₩ gro. $18.00

Slaw Cutters—

Enterprise.....25%
Enterprise Mfg. Co.....25%
Tucker & Dorsey:
1 Knife.....₩ gro. $15.00@$18.00
2 Knives.....₩ gro $20.00 @$27.00
Kraut Cutters.....50@50&10%
Woodrough & McParlin.....40%

Slicers—

Vegetable, Enterprise.....25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Cockeyes..... ...70&10%
Covert Mfg. Co. .....
German, new list .40&10@40&10&10%
Fitch's (Bristol).....50%
Sargent's:
Patent Guarded.....70&10&10%
Covered Spring.....60&10%
Open Spring.....70@70&10%

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Covert Mfg. Co
Breast Strap Buckle Straps
Breast Strap Protector....
Double for Bits or Trace Carrier.....
Loop Eye.....
Loop Eye, Swivel.....
Open Eye.....
Round Eye.....
Round Eye, Swivel.....
} 45&2½ @50%

Covert Saddlery Works:
Banner.....60&20%
Triumph.....60&20%

Spoke Shaves—

Bailey's (Stanley R. & L. Co.) 50&10%
Iron.....₩ doz. 5 &1 %
Millers Falls.....15&10%
Seymour Smith & Sons, Iron.....20%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓&5%
Wood.....₩ doz. 25&10%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10 @30%
B. B. Noyes Meat Forks..50&10@60%
Buffalo S. S. & Co.....33⅓&5%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Holmes & Edwards Silver Co..60
L. Boardman & Son... Catalogue "B"—net List
Meriden Brit. Co. Rogers Bros.40&10%
C. Rogers & Bros.....40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....60%
Simpson, Hall, Miller & Co.....60&5%

MISCELLANEOUS—

Boardman's:
Britannia Spoons, Catalogue "B".....net List.
Nickel Silver, Catalogue "B" net List
Britannia.....60&10%
German Silver.....60&10%
German Silver, Hall & Elton..50& 5% cash
Wm. Rogers Mfg. Co.:
18% Rogers' German Silver...60&5%
22% Rogers' Nickel Silver....50&5%
Rogers' Silver Metal.....50&10&5%

Springs—

See Door Springs.

Squares—

Disston Try Square and T Bevels. 60&10%
Starrett's Micrometer Caliper Squares.....25%
Try Square and T Bevels.60&10&5 @60&10&10%
Winterbottom's Try & Mitre.50&10%
Nickel-Plated..
Steel and Iron..
} 75&1 @75&1 &10%

Stair Rods—

Black Walnut.....60%
Brass, Oval or Hollow.....50%

Staples—

Barbed Blind—⅛, ⅝, and ¾ inch, ₩ lb.....6c@6½c
Grand Crossing Tack Co. List: 75&10%

Stocks and Dies—

BLACKSMITH'S—

Butterfield's Goods.....35@40%
Gardner.....33⅓&10%
Lightning Screw Plate.....25%
Reece's New Screw Plates....25@30%
Waterford Goods.....3 @40%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stove.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

List March 20, '96.
2% cash. Market irregular and lower [illegible]
American Cut Tacks.....80&10%
Carpet Tacks:
American, Blued....90&10@90&20%
American, Tinned...90&3 @90&25%
Leathered.....60%
Steel.....90&20%
Swedes, Lanc.....85&10%
Swedes, S. S.....90&25%
Swedes Iron Tacks:
Lanc.....85&10%
S. S.....90&1 &5%
Basket Tacks.....75&10%
Basket Nails.....8 %
Bill Posters' and Railroad Tacks:
S. S.....90%
Brush Tacks and Nails.....7&15%
Chair Nails.....8 %
Cigar Box Nails.....75%
Common and Patent Brads.....80%
Finishing Nails.....75%
Gimp Tacks:
Lanc.....80&20%
S. S.....90&5%
Hungarian Nails.....85&10&5%
Lace Tacks
Lanc.....80&20%
Looking Glass Tacks.....70%
Picture Frame Points.....70%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Trunk and Clout Nails:
Black.....80 &5%
Tinned.....80&10&5%
Upholsterers' Tacks:
Lanc.....80&20%
S. S.....90&10%

MISCELLANEOUS—

Bill Nye Brad Box.....₩ box $4.00
Bill Nye, Jr., Brad Box.. ₩ box $2.00
Bonnie Blue.....₩ box $1.50
Can Opener Carpet Tacks.₩ gr $4.00
Dble. Point.90&10 &10&10&10&10%
Hammer Carpet Tacks..₩ gr $4.50
Miniature Keg Tacks..66⅔&33⅓&5& 10&10&2%
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓&5& 10&2%

Tack Pullers—

Columbia, No. 1, per doz., net.....$1
" " 2, " " .. 1.50
Little Jack.....₩ doz. $1.00

Tapes, Measuring—

American.....40&10@50%
Chesterman's.....3 @3 &5%
Keuffel & Esser Co 25%
Lufkin's Steel and metallic..30&10%

Taps—

American Screw Co.
Machine Screw.....70%
Blacksmiths' Taper.....50&10@60%
Hand and Machine.....50&10@5 %
Pipe.....80%

Telephones—

Union Electric Co.:
Lett r A, complete....each, $10.00
Letter B, for Warehouse..each, $8.50
F. o. b. cars Cleveland.

Tin, Perforated

Harrington & King Perforating Co.: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.50	$1 55
2	$9.00	$1 55
3	$8.25	$1 35
4	$7.75	$1 30
5	$7. 0	$1.20
5½	$ .25	$1.20
6	$7.00	$1 15
7	$7 00	$1.10
8	$6.75	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&25%

Tobacco Cutters—

National Specialty Co.....30&5%

Trammel Points—

Backus and Union.....40%
C. E. Jennings & Co., "Eureka".25%
Cook's.....25%
Sargent's.....70&10@70&10&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Preatiss'.....20@25%

Tracks, &c.—

F. E. Myers & Bro.:
Comb. Car., Double Steel T...$3.50
Comb. Car., Wood Track....$3.25
Common 6 in. Wood Sheave Pulley, Fig 433, ₩ doz.... $1.65
D. H. Fork, Steel Regular, each .75
Double Grapple Fork, each...$3.25
Double Rail Steel Track complete with clamps, ₩ ft..... .09
Faultless Steel Frame K. P Pulley, Fig. 435, ₩ doz.....$3.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ₩ doz.$1.75
Floor Hooks, ¾ in. ₩ doz. .65
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz..... $3.00
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz..... .55
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz.$3.00
Malleable Rafter Brackets, ₩ doz..... .45
Nellis Fork, each..... $1.50
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
New Myers Iron Rod Car.....$2.75
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz..... $2 25
Rev. Car., Double Steel Track $3.50
Rev. Car., Wood Track.....$3.25
Rope Hitch ₩ doz..... $1.75
Single rail Car, Single Steel T.$3.50
Single rail Steel Track with clamps, ₩ ft..... .09
Sprouts Shear Fork, each....$1.40
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1 50
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Walker Fork, each.....$1.15
Wrought Rafter Brackets, ₩ doz..... .45

Transom Lifters—

Ajax.....50&10@50&10&5%
Bronze Metal, with Safety Spg 5 @ 0&10%
Crescent.....7 @7 &10%
Dicksons.....
Nickel Plated.....50&10%
Payson's Solid Grip, Nos. 3 3 and 304.....₩ 100, $12.00
Shaw's:
Copper Finished.....80&10%
Lever.....70@70&10%

Traps—

GAME—

Blake's Patent.....60@60&10%
Enterprise Mole.....15%
Newhouse.....40&10@50&5%
Oneida Pattern.....75&5@75&10%

MOUSE AND RAT—

Enterprise Mfg. Co., Mole..... 15%
Rat.....40@40 &10%
Essenoid.....₩ gr $10.00
Hotchkiss:
Metallic Mouse,.....₩ doz. 65c
Improved Rat.....₩ gross, $12.50
New Rat .....₩ gross $13.50
Mouse, Bonanza ₩ doz 10c@$1.00
Mouse, Catch-'em-Alive ₩ d z $2.50,15%
Mouse, Delusion..... 40%
Mouse, Ideal .....₩ gr $9.00
Mouse, Round Wire. ₩ doz $1.50, 10%
Mouse, Wood, Choker, ₩ doz mice 10c@9c
Schuyler Rat Killer, No. 1 ₩ gro., $3 5 ; No. 2 ₩ gro., $15.00
Smith & Egge Mfg. Co:
Superior Rat Trap, ₩ doz....$15.00
Yankee Mouse Trap, ₩ doz.. $5.50
Yankee Rat Trap, ₩ doz.....$11.00

FLY-

Balloon, ₩ doz $1 25.....₩ gr. $13 50
Electric Rod.....₩ gr. $16.50
Globe. ...₩ doz., $1.75; ₩ gr. $13.50
Harper....₩ doz., $1.75; ₩ gr. $16.50

Trowels—

Brade's Brick.....25@33⅓%
Disston's:
Brick.....8 %
Plastering.....25%
Pointing.....30%
C. E. Jennings & Co.:
Brick.....30%
Plastering.....25%
Pointing.....33%
Wm. Johnson's:
Brick.....40%
Plastering.....40%
Pointing.....40%
W. & McP. Plastering....25@25 &10%
Peace's Plastering.....25@25&5%
Richardson.....25@2 &10%
"Rose" Brick Plastering and Moulders.....8 @30& 10%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vegetable Slicers—

Enterprise Mfg. Co. 25%

Vises—

Solid Box.....50&10@60%

PARALLEL—

Alligator 50%
Armstrong's:
Combination 50%
Plain and Hinge.....60%
Athol, Oval Slide.....60&10%
Bonney's Champion.....45@45&10%
Fisher & Norris Double Screw.....&10%
Holland's.....40@40&10%
Howard's.....40&10%
Little Giant Bench.....25&10&5%
Lowell Hand 33⅓%
Massey's Quick Action.....20@20%
Merrill's.....20&15%
Millers Falls, Mechanics'...net@10%
Moore's.....20%
Parker's.....20@25%
Oval Slide.. .....50&10%
Victor.....30%
Prentiss.....2 @25%
Sargents.....7 &10%
Simpson's Adjustable..... 5%
Stephens'.....30@30%
Trenton.....40&50@40&10%
Wilson'.....55%

SAW FILERS—

Bonney's Nos. 2 & 3, $15,00..... 60%
Stearn's Com., No. 0, 1, 2, and 3..5%
Stearn's Rubber Jaw, Nos. 10 and 33 .....33⅓%
Wentworth's.....35%

Wads—

See Ammunition.

Wagon Jacks—

Covert's Saddlery Works:
Victor.....60&20%
Daisy..... 60&2 %
Lane's Steel 30%

Washer Cutters—

Otis A. Smith's.....20&10&10%

Weather Strips—

Church's:
Axtell, Lacquered, 36 in. ₩ doz. $5.00
Axtell, Lacquered, 42 in. ₩ doz. $7.00
Axtell, Pol. Brass, 36 in. ₩ doz. $12.00
Axtell, Pol. Brass, 42 in. ₩ doz. $15.00

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50@$12.00
American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $8.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
American Standard, 4½ ft., $3.00 5 ft., $3.50; 5½ ft., $4.50; 6 ft. $10.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
Americus, 9s Pen Whip, 6 ft., $6.00
Bull Bone, Half-length Whalebone, 5½ ft., $11 00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
Eureka, Two-thirds Whalebone 5½ ft., $10.00; 6 ft., $16.50 6½ ft. $18.00; 7 ft., $20.00
Gents' Light Driving, No. 111, 6 ft.....$6.00
Gents' Light Driving, No. 106, 6 ft.....$5.0
Hand-Made Stocked Java, No. 108 ... 6½ ft , $3.75 ; 6 ft., $4.0
Hardware Assortment 10 | American, 75 Whips for.....$50.00
New Name, Stocked Java, Black and Wine Colors .....6 ft., $3.00
Team Whips ...₩ doz $2.0 @$7 50
True Grip, Raw Hide Center, 4½ ft. $6.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.00; 7 ft., $9.00.

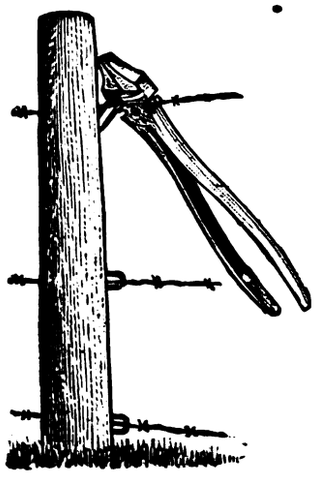
Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....35&10%

Wire and Wire Goods—

Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Brass Wire.....35%
Bright Wire Goods, Standard list 85&10@85&10 &10%
Cast Steel Wire.....50%
Copper Wire 45%
Galvanized Fence.....to&10%
Malin's Annealed and Tinned on Spools.....60&10%
Malin's Brass and Copper on Spools.....50&10%
Market Wire:
Brt. & Ann., Nos. 0 to 18..80@80&10%
Cop'd, Nos. 0 to 18, 75&10@7 &10&5%
Galv., Nos. 0 to 18, 75&10@75&10&5%
Tin'd, Tinned list Nos. 0 to 18.... 75&10@75&10&5%
Picture Wire.....New list 35&10%
Steel Music Wire, Nos. 13 to 20, Imported, ₩ lb.....60@70c
Stub's Steel Wire.....$5.00 to $ 0%
Tinned Broom Wire, Nos. 13 to 21, ₩ lb 4½c
Wire Clothes Lines, see Lines.

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CRONK'S

Combination Fencing Plier.

This newly invented fencing tool is needed by all people that build or have occasion to remove or repair wire fence, as it is made with two staple pullers, two hammers and two button cutters. They are the same heft as the 1½ Maydole Hammer, and they are made of forged tool steel. No good farmer will be without one. They are warranted to cut No. 8 hard or No. 6 soft wire. Like the celebrated Cronk Plier they are fully warranted in all respects. No. 12, 11 in. long, $12.00. Dis. . . .

CRONK HANGER CO., ELMIRA, N. Y.

Wire Cloth, Netting, &c.—

Brass Cloth:.....40@55%
Galvanized Wire Netting..80&10@80&20%
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.15@$1.20
Steel Bolting Wire Cloth.....30@55

Wire Rope—

List.
Cast-steel.....2½&2½&2½ cash
Iron.....20&2½&3½ cash
Iron, Galvanized..20&2½&3½ cash

Wire Rope Clips—

Crosby.....25%

Wire Stretchers—

W. C. Heller's Grip.....₩ doz. $1 50

Wrenches—

Acme:
Bright.....60@60&10%
Heavy.....50%
Nickel.....50&10@60%
Agricultural.....80@80&10%
Aiken's Pocket (Bright)..$2 00@3.50
Alligator.....60@60&10%
Always Ready.....33½&50&40%
American Adjustable.....40@40&10%
Armstrong's.....40%
Baxter's.....65@65&10%
Bemis & Call's:
Brigg's Pattern.....30&10%
No. 2 Cylinder or Gas Pipe.....5%
No. 3 Pipe, Bright.....60%
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Boardman's.....30@33½%
Champion Carriage.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
Coes':
Genuine.....40&10&5&5&3%
"Mechanics'".....40&10&10&5&5&3%
Pattern Wrought.....30&10%
Donohue's Engineer.....40&10%
Eagle Pipe.....50&10%
Expert Bicycle.....33½&10%
Girard Standard.....65&10@70%
Hall's Pipe.....50%
Hercules.....70&10@75%
Lamson & Sessions':
Engineers'.....60@30&10%
Standard.....70&10%
Lowell:
Lag Screw.....25%
Ratchet.....33½%
Socket Bridge.....30%
Stillson Pipe.....45%
Taylor Pipe and Nut.....40%
Trimo Combination.....40%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
J. H. Williams.....25%
Yankee.....45%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co., list May 1, 1894,
Lovell Mfg. Co., list July 2, 1894...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%
Peerless Mfg. Co., list Feb., 1892...2%
NOTE.—On lots of 1 dozen a discount of 10. is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in barrels..₩ gallon.....40c
Linseed, City, Boiled, in barrels ₩ gallon.....42c
Out of Town on Spot..₩ gal.....40c
Calcutta, Raw, in bbls....₩ gal. 51c
Lard. Prime City.....₩ gal. 40@42c
Western, Prime.....40@41c
Extra, No. 1.....3½@3 c
No. 1.....30@32c

Paints and Colors—

Barytes, Foreign, ₩ ton, $15.00@$18.00
Barytes, American Floated, ₩ ton $22.00@$28.00
Barytes, American, No. 1 ₩ ton, $9.00@$10.00
White Lead, American, Dry, in Bbls. ₩ ₤.....6c
White Lead, American, in Oil, ₩ ₤.....5½@6c
White Lead, Foreign, in Oil, ₩ ₤ 6@7c
Litharge, Kegs, ₩ ₤.....5½@5½c
Zinc, American, Extra Dry, ₩ ₤ 3½@4¼c

Putty—

In bbls. and half bbls.....1½@1¾
Putty in Bladders.....1¾@2
Putty in Tins.....1½@2½

Spirits Turpentine—

In regular bbls .....28½@——c
In machine bbls.....2½@——c

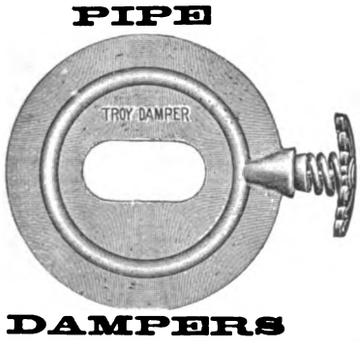
Dry Colors—

Blue, Chinese.....₩ ₤ 37 @40
Blue, Prussian.....₩ ₤ 30 @35
Blue, Ultramarine..₩ ₤ 8 @25
Sienna, Italian, burnt & powd red ₩ ₤ 2½@3¼c
Sienna, Italian, raw & powdered...₩ ₤ 2½@2½c
Umber, Turkey, burnt.....₩ ₤ 2½@2½c
Umber, Turkey, raw.....₩ ₤ 2½@2½c
Green, Chrome, Common.....₩ ₤ 5 @12 c
Green, Paris, in bulk, ₩ ₤ 11 @12 c
Indian Red, American.....₩ ₤ 2 @ 8 c
Indian Red, English.....₩ ₤ 4½@8

Colors in Oil—

Black Coach Japan ₩ ₤..18½@20
Black Coach Japan, in Oil.....₩ ₤ 12 @13 c
Black Drop.....₩ ₤ 7 @10 c
Black Lampblack...₩ ₤ 20 @33 c
Black Lampblack, common.....₩ ₤ 7@15 c
Blue, Chinese.....₩ ₤ 35 @40 c
Blue, Prussian.....₩ ₤ 20 @40 c
Blue, Ultramarine..₩ ₤ 12 @18 c
Brown, Sienna, burt ₩ ₤ 7 @10 c
Brown, Sienna, raw. ₩ ₤ 7 @10 c
Umber, burnt.....₩ ₤ 7 @10 c
Umber raw.....₩ ₤ 7 @10 c
Brown, Vandyke....₩ ₤ 7 @12 c

PIPE



DAMPERS



ALASKA, ALWAYS COLD.

STOVE LID LIFTERS, POKERS, SHOVELS, FIRE SETS.

Patentees and Sole Manufacturers,

TROY NICKEL WORKS
ALBANY, N. Y.

"VERY USEFUL TO US."

J. A. Ross & Co., Boston, Mass.: We find HARDWARE very useful to us, as well as interesting. Considering the quantity and quality of matter in each issue, the subscription price is very low for a semi-monthly magazine.

"SUBSCRIBE WITH PLEASURE."

Brown & Gilbert, Boston, Mass.: Please find enclosed $1 in payment for HARDWARE. We have found HARDWARE very useful and instructive, and subscribe for the coming year with pleasure.

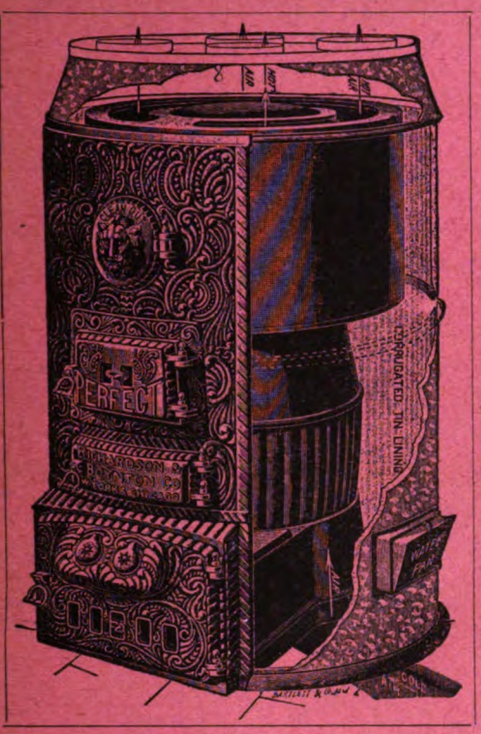
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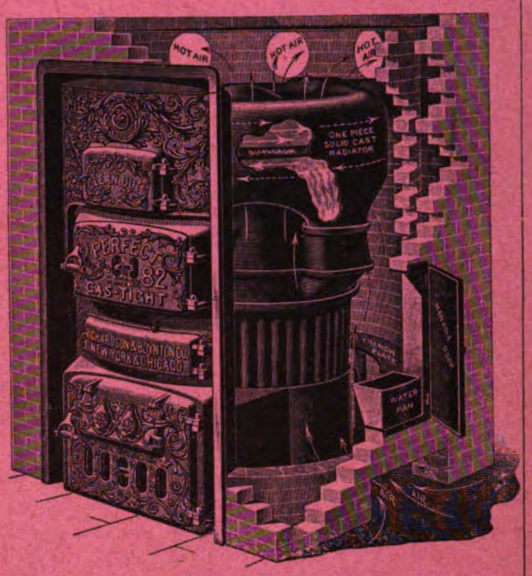
"IS JUST RIGHT."

Alling & Lodge, Madison, Ind.: We enclose $1 to pay for our subscription to HARDWARE for one year from date. Your paper is just right; don't make it too big so one can't find anything in it.

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These goods sold by the largest Hardware trade in the U. S.



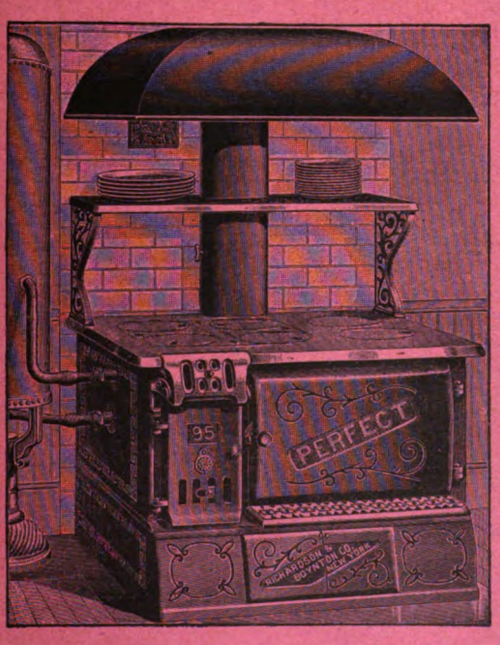
"PERFECT" HEATING FURNACES AND COOKING RANGES.

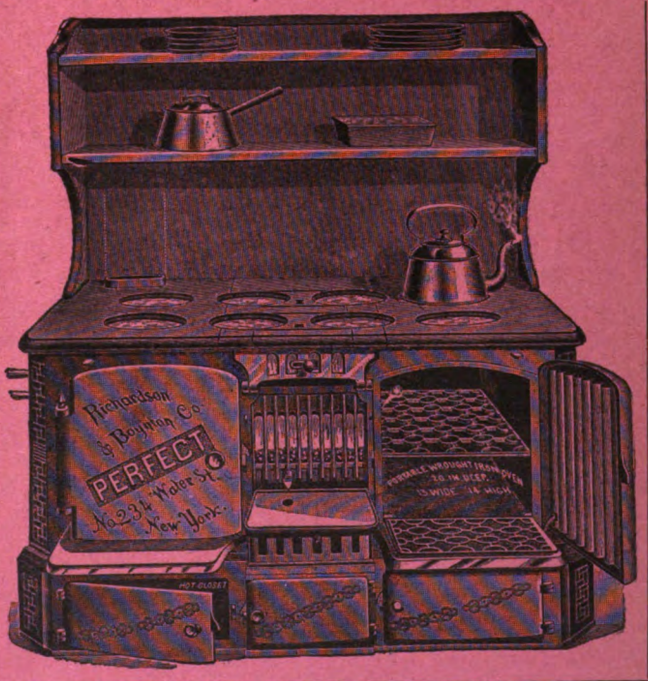
Are first-class in all respects.
Durable and powerful Ranges. "Please the Cooks."
Adopted by all leading Architects because of their Superior merit.

SEND FOR DESCRIPTIVE CATALOGUE.

RICHARDSON & BOYNTON CO., MANUFACTURERS,

232 and 234 Water Street, NEW YORK.
84 Lake Street, CHICAGO. 94 Union Street, BOSTON.





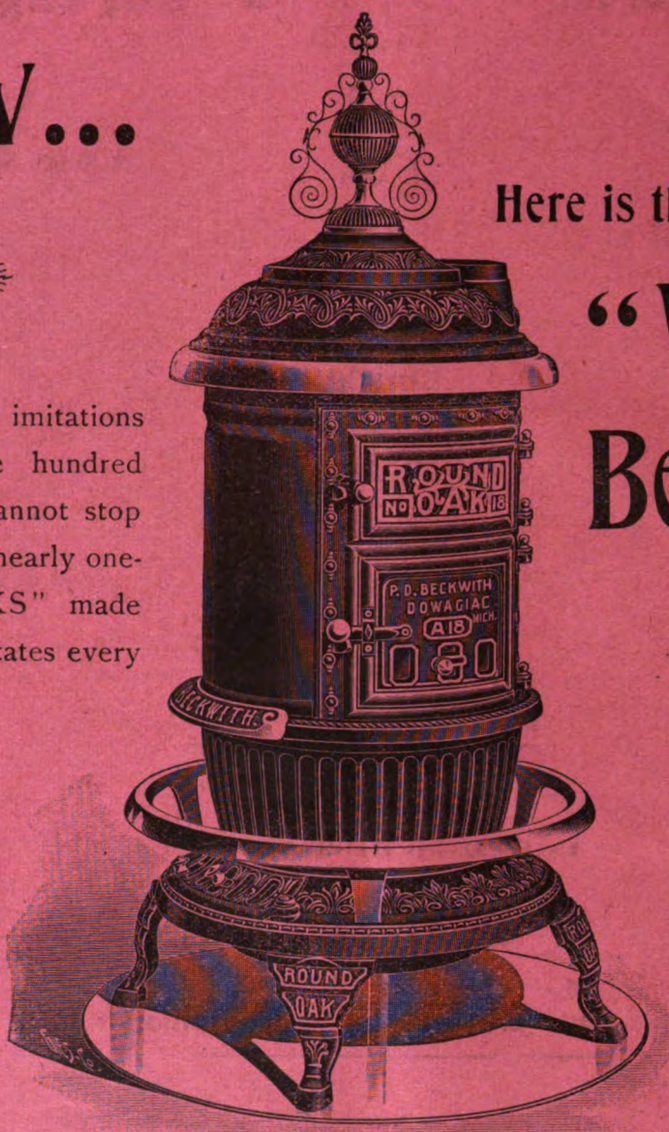
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Every dealer has been advised many times this year to "Hold on. Don't place orders for Oaks."

Another "World Beater" is being evolved. Same old "chestnut."

NOW...

Four hundred imitations (and nearly one hundred manufacturers) cannot stop us from selling nearly one-third the "OAKS" made in the United States every year.



Here is the

"World Beater."

It has beat them all.

It does just as represented.

SEE THE NAME
Round Oak
ON A STOVE
MEANS
STANDARD OF AMERICA
ON THE LEG.

It is built on honor.

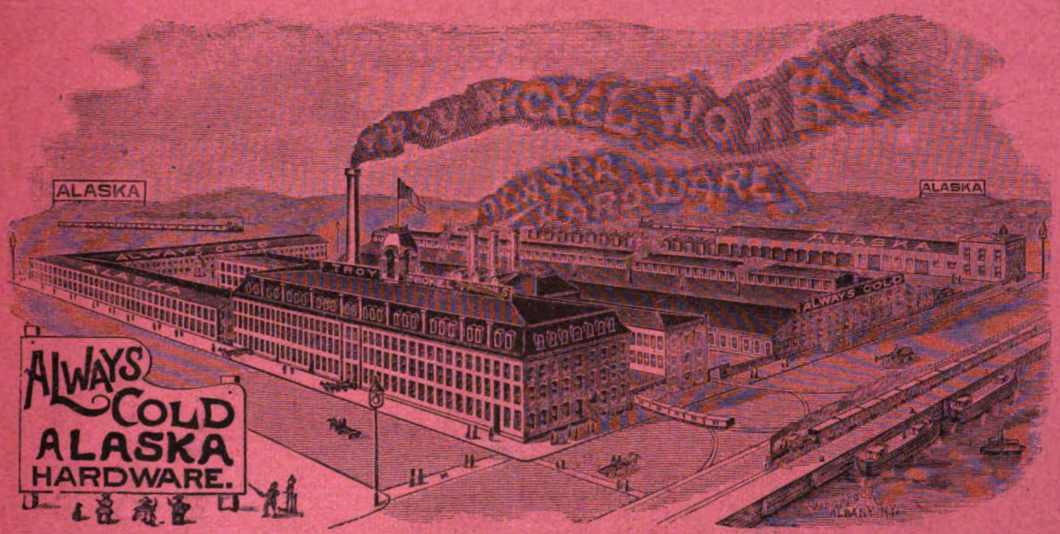
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Estate of P. D. BECKWITH,

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ALASKA
STOVE TRIMMINGS,
ALWAYS COLD.

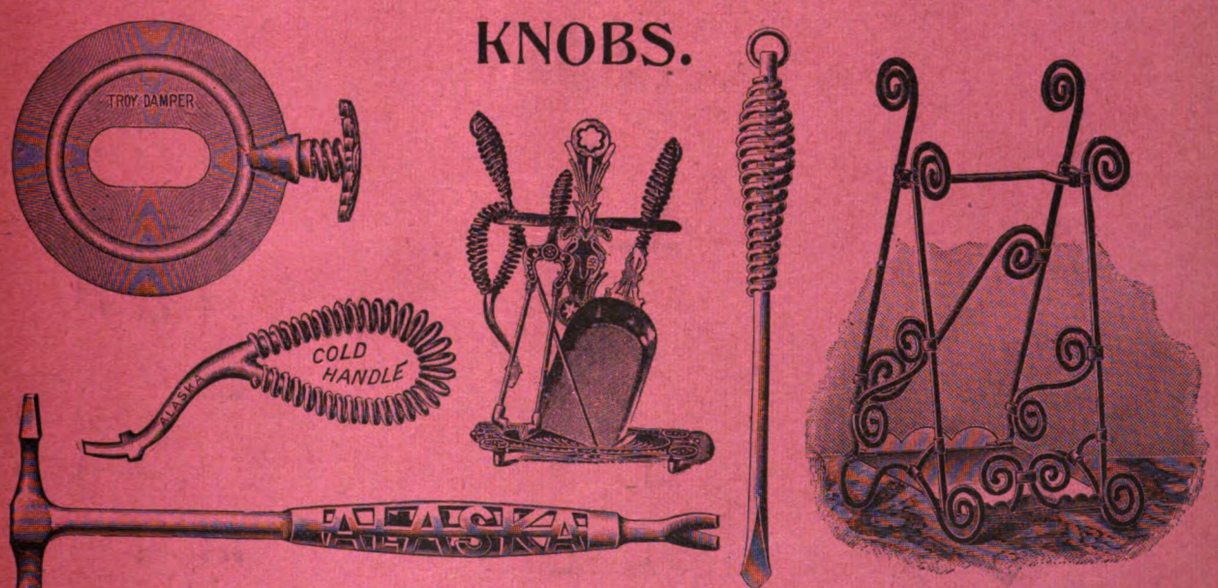


LID LIFTERS,
SHOVELS,
PIPE DAMPERS.

TACK
HAMMERS.

POKERS,
FIRE SETTS,
DAMPER CLIPS.

KNOBS.



A full line of Repairs for PERRY STOVE CO.'S STOVES.

TROY NICKEL WORKS, Albany, N. Y.

Tell the Dealer to send direct for Repairs.

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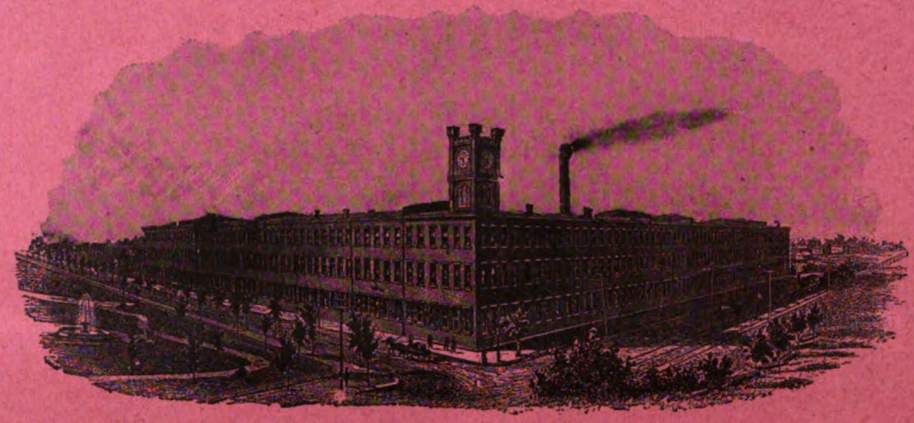
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New York, U. S. A.

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BOSTON, MASS.



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AGATE NICKEL-STEEL WARE, CRYSTAL STEEL WARE, PEERLESS ENAMEL WARE, BLUE AND WHITE ENAMEL WARE, KITCHEN SINKS, PLANISHED, BRASS, COPPER, HOTEL, STAMPED, PIECED AND JAPANNED WARES.

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OAK ANDES



Every manufacturer claims that he has the best **Oak Stove;** every buyer wants the best **Oak Stove;** and without the least fear of contradiction we offer to the trade the **OAK ANDES** as the **Best Oak Stove.** It has the **Best Air Tight Jointless Bottom;** the **Best Air Tight Register Damper;** the **Heaviest Fire Pot;** the **Handsomest Design** and the **Best Workmanship** of any stove on the market. It is beyond question an **Air Tight Stove.** The sales for 1896 were four times as large as the manufacturers expected, and the indications are now that the capacity of the works will be severely taxed to meet the demand for the present year. Buyers who wish the best should secure the agency at once.

MANUFACTURED BY

Phillips & Clark Stove Company,

GENEVA, N. Y.

Western Branch:
135 Lake Street, Chicago, Ill.

Eastern Branch:
139 River Street, Troy, N. Y.

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C. H. & E. S. GOLDBERG,

WHOLESALE DEALERS IN

GENERAL WOODEN WARE

Will remove on October 1st next, from their old location

Nos. 326, 328 & 330 WASHINGTON and 39 & 41 JAY STREETS.

which has been their headquarters for the past 30 years, to the large and commodious business block formerly occupied by

THURBER, WHYLAND & CO.,

and extending from Hudson Street to West Broadway on Reade Street and running through to Duane Street.

Having the largest stock of

..General Wooden Ware..

of any establishment in the United States, they solicit the patronage of

THE HARDWARE TRADE

with confidence in their ability to meet every possible demand for goods in their line with its many branches. . . .

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ON EARTH.

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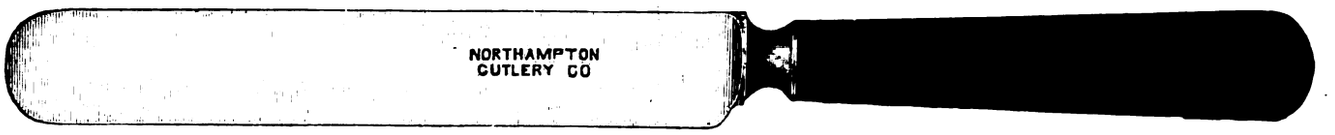
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C. A. MAYDWELL, 23 Davis St., San Francisco.

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HENRY KEIDEL & CO., 32 Hopkins Place, Baltimore.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.

New York Office and Salesroom, 96-98 Reade Street.

72 YEARS. ESTABLISHED 1825. 72 YEARS

Celebrated **HEINISCH** Shears



ACKNOWLEDGED THE BEST

Tailors' Shears, Trimmers, Scissors, Tinners' Snips, etc.

R. HEINISCH'S SONS CO.,

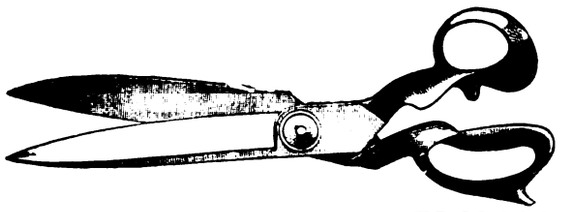
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RESULTS ARE SO SATISFACTORY.

Capewell Horse Nail Co., Hartford, Conn. [*Horse Nails*]: We have been liberal advertisers in your journal for years, and the results are so satisfactory that we expect to be much more liberal for years to come.

WHEN YOU WANT THE

Best Quality and Finest Finish



SHEARS, SCISSORS & TINNERS' SNIPS

YOU SHOULD HANDLE THOSE MADE BY

J. WISS & SONS, NEWARK, N. J.

We make the Largest line of

Tailor Shears, Trimmers, Barber Shears, Bankers', &c.

WE make a specialty of High Grade Shears suitable for Mill and Factory use. No mechanic can afford to use poor tools. Ours are the **BEST** in the line, consequently the cheapest. . .

Bush Hooks.



Axe Eye — Two Ring.

Axe Eye Strapped — One Ring with Cutter.

No goods of equal quality as low in price.

TRADE B MARK
G.W. BRADLEY'S
SUPERIOR QUALITY
CAST STEEL TOOLS
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—SELLING AGENTS,—

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THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS, BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, Etc.

STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

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"New Idea" Halter Chains also SNAPS.

☞See that Steel Snap (Rear Bolt.) They are Safe! They are Several

(Sheet Steel) For Harness, Rope or Chain.



. . . SEND FOR PRICES ON . . .

Cow Ties, Picket Chains, Coil Chains, Dog Chains, Etc., Etc.

IRA F. WHITE & SON, 76-78 Park Place, New York.

"PRODUCTIVE OF RESULTS."

Pope Mfg. Co., Hartford, Conn. [*Bicycles*]: While little advertising seems to be necessary this year to sell Columbia Bicycles, we still feel that our advertising with you is productive of results.

Important Auction Sale!

E. BISSELL, SON & CO.,

AUCTIONEERS.

Wednesday and Thursday, September 29 and 30, 1897.

AT 10 A. M. EACH DAY.

BY ORDER OF **CHARLES J. HEALY,**

who is retiring from the stock business, at store

121 Chambers St., New York City.

Peremptory Auction Sale

On Sixty Days' Time, Approved Notes, of the

Entire Balance of his Stock of Pocket and Table Cutlery, and Kindred Goods,

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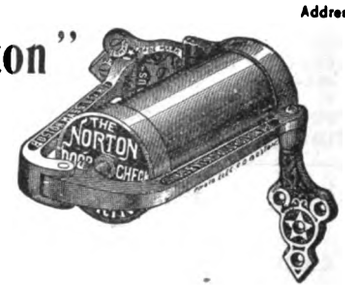
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W. H. Elliott Electric Co., Cleveland, Ohio.

Moulds.
A. Adamson, Akron, Ohio.
Schwerdtle & Siebert, Bridgeport, Conn.
J. K. Williams, Akron, Ohio.

Mucilage.
Barnes National Ink Co., New York and Philadelphia.

Nails.
Bruce & Cook, New York
Fuller Bros. & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
Rockford Tack Co., Rockford, Ill.
Salem Wire Nail Co., Salem, O.
Chas. J. Stebbins, New York.

Nail Pullers.
The Scranton & Co., New Haven, Conn.

Nail Sets.
John H. Graham & Co., New York.
Storm Mfg. Co., Newark, N. J.

Needles
Alfred Field & Co., New York.

Nippers.
Alfred Field & Co., New York.
Charles Morrill, New York.

Office Railings.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cups.
Kendrick Valve & Washer Co., Syracuse, N. Y.

Oilers.
Cushman & Denison, New York.
Tower & Lyon, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Oil Stones.
Pike Mfg Co., Pike Station, N. H.

Ornamental Iron Work.
E. T. Barnum, Detroit, Mich
Stewart Iron Works, Cin'nati, O.

Ovens.
Monarch Stove Co., Mansfield, O.
Union Heater Supply Co., Detroit, Mich.

Packing.
Gould Packing Co., East Cambridge, Mass.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Canton Steel Roofing Co., Canton, Ohio.
William Connors, Troy, N. Y.
Jos. Dixon Crucible Co., Jersey City, N. J.

Patent Solicitors
Dyer & Driscoll, New York.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.
J. D. Johnston, Newport, R. I.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Cutters.
Armstrong Mfg. Co., Bridgeport, Conn.
Alfred Field & Co., New York.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Straps.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
C. E. Jennings & Co., New York.
Stanley Rule & Level Co., New Britain, Conn.
Tower & Lyon, New York.

Plated Ware.
Alfred Field & Co., New York.
Lutner Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.
Wm. Rogers Mf. Co., Hartford, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Pleasure Wheels.
Strobel Mfg. Co., Marion, Ohio.

Pliers.
Crank Hanger Co., Elmira, N. Y.
Alfred Field & Co., New York.

Poles.
Geo. S. Parkes & Co., Nashville, Tenn.

Police Equipments.
Tower & Lyon, New York.

Polish.
John Chatillon & Sons, New York.
Joseph Dixon Crucible Co., Jersey City, N. J.
Meyers' Putz Pomade Co., Boston.
J. L. Prescott & Co., New York.

Post Hole Diggers.
John H. Graham & Co., New York.
F. E. Kohler & Co., Canton, Ohio.

Poultry Netting.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.

Power Hammers.
The Scranton & Co., New Haven, Conn.

Power Presses.
Vieillard & Osswald, Brooklyn, N. Y.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Vieillard & Osswald, Brooklyn, N. Y.

Prismatic Sidewalks.
Stewart Iron Works, Cin'nati, O.

Pulleys.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
F. E. Myers & Bro., Ashland, Ohio.
Ney Mfg. Co., Canton, Ohio.

Pumps.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Chase Pump & Mfg. Co., Columbus, Ohio.
John H. Graham & Co., New York.
F. E. Myers & Bro., Ashland, O.
Pittsburgh Pump Co., Pittsburgh, Pa.
Union Heater Supply Co., Detroit, Mich.

Punches.
Alfred Field & Co., New York.
F. J. Mattison, New York.
Charles Morrill, New York
Smith & Egge Mfg. Co., Bridgeport, Conn.

Radiator Deflectors.
J. Rutherford & Son, Akron, Ohio.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Stewart Iron Works, Cin'nati, O.

Rails, Barn Door.
McKinney Mfg. Co., Allegheny, Pa.

Raisin Seeders.
Enterprise Mfg. Co., Philadelphia.

Rakes.
John H. Graham & Co., New York.
Knapp & Pratt Mfg. Co., Geneva, Ohio.
F. E. Kohler & Co., Canton, Ohio.
Underhill, Clinch & Co., N. Y.

Ranges.
Hess, Snyder & Co., Massillon, O.
Monarch Stove Co., Mansfield, O.
Richardson & Boynton Co., New York, Chicago, Boston.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
P. J. Conroy & Co., Philadelphia.

Reels.
Hartzell Novelty Works, Alliance, Ohio.

Registers.
Stowell Mfg. & Fdry. Co., So. Milwaukee, Wis.

Rivets.
Bruce & Cook, New York.

Rollers.
Fulton Machine Co., Canal Fulton, O.

Roller Skates.
Tower & Lyon, New York,
Union Hardware Co., Torrington Conn., and New York.

Roofing and Roofers' Supplies.
Berger Bros., Philadelphia.
L. D. Berger, Philadelphia.
Canton Steel Roofing Co., Canton, Ohio.

Roof Trusses, Iron.
Stewart Iron Works, Cin'nati, O.

Rubber Bolting.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rules.
Athol Machine Co. Athol, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Alfred Field & Co., New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Safe Deposit Companies.
National Safe Deposit Co., N. Y.

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Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

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Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

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Smith & Egge Mfg. Co., Bridgeport, Conn.
Tower & Lyon, New York.

Sash Cord.
Samson Cordage Works, Boston.
Tower & Lyon, New York.

Sash Fixtures.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
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John Chatillon & Sons, New York

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Sidney Steel Scraper Co., Sidney, O.

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Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

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Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co. Georgetown, Conn, New York Chicago.
A. J. Phillips Co., Fenton, Mich.

Screw Cutting Tools.
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
John H. Graham & Co., New York.
Tower & Lyon, New York.
Tuck Mfg. Co., Brockton, Mass.

Screw Plates.
Alfred Field & Co., New York.

Shade Lines.
Samson Cordage Works, Boston.

Shafts.
Geo. S. Parkes & Co., Nashville, Tenn.

Shears and Scissors.
Alfred Field & Co., New York.
H. Heinisch's Sons Co., Newark, N. J.
Seymour Cutlery Co., Holyoke, Mass.
J. Wiss & Sons, Newark, N. J.

Sheaves.
Boston & Lockport Block Co., Boston and Lockport, N. Y.

Sheet Brass.
Waterbury Brass Co., New York.

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Sheet Steel.
Dunbar Bros., Bristol, Conn.

Shelf Boxes.
W. C. Heller & Co., Montclair, N. J.
Henry H. Sheip & Co., Philadelphia.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.

Shovels.
Troy Nickel Works, Albany, N.Y.
Underhill, Clinch & Co., N. Y.

Sign and Price Markers.
Fulton Stamp Works, New York.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Single Tube Tires.
New York Belting & Packing Co., New York.

Sink Cleaners.
John W. Sudlow, Brooklyn, N. Y.

Skates.
John H. Graham & Co., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.

Skate Sharpeners.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Skylights.
George Hayes, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Smoke Pipe Registers.
Ferrosteel Co., Cleveland, Ohio.

Solder.
Bruce & Cook, New York.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Spokes.
Geo. S. Parkes & Co., Nashville, Tenn.

Spoke Shaves.
Alfred Field & Co., New York.
Stanley Rule & Level Co., New Britain, Conn.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
Dunbar Bros., Bristol, Conn.
Miller & Van Winkle Co., Brooklyn, N. Y.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Bommer Bros., Brooklyn, N. Y.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Stairs, Iron.
E. T. Barnum, Detroit, Mich.
Stewart Iron Works, Cin'nati, O

Stamps.
Schwerdtle & Siebert, Bridgeport, Conn.

Staples.
Salem Wire Nail Co., Salem, Ohio

Statuary.
E. T. Barnum, Detroit, Mich.

Steel.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Steel Goods.
Canton Steel Roofing Co., Canton, Ohio.
Finished Steel Co, Youngstown, O.

Steel Hinges, Spring.
Bommer Bros., Brooklyn, N. Y.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Stencils.
Schwerdtle & Siebert, Bridgeport, Conn.

Step Ladders.
Bicycle Step Ladder Co., Chicago.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Alfred Field & Co., New York.
Holroyd & Co., Waterford, N. Y.
F. E. Myers & Bro., Ashland, Ohio.

Store Fixtures.
Hartzell Novelty Works, Alliance, Ohio.

Stoves.
Estate of P. D. Beckwith, Dowagiac, Mich.
Hess, Snyder & Co., Massillon, O.
T. W. Houchin, New York.
Monarch Stove Co., Mansfield, O.
Richardson & Boynton Co., New York, Chicago, Boston.

Stove Mittens.
Diamond Hardware Co., Boston.
Paras & Paras, Troy, N. Y.

Stove Polish.
Joseph Dixon Crucible Co., Jersey City, N. J
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.
Logan & Strobridge Iron Co., New Brighton, Pa.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co.' Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

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Alfred Field & Co., New York.

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Union Hardware Co., Torrington Conn

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Tack Pullers.
Alfred Field & Co., New York.
Higgins Mfg Co, Boston.
Knapp & Pratt Mfg. Co., Geneva, Ohio.

Tailors' Irons.
Union Heater Supply Co, Detroit, Mich.

Tape Measures.
Alfred Field & Co., New York.
Waterbury Brass Co., New York.

Taps and Dies.
Holroyd & Co., Waterford, N. Y.

Targets.
Cleveland Target Co., Cleveland, Ohio.

Tiling.
New York Belting & Packing Co., Ltd, New York.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tires Rubber.
New York Belting & Packing Co., New York.

Toilet Paper.
A. P. W. Paper Co., Albany, N. Y.

Tools.
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Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Detroit Twist Drill Co., Detroit, Mich
Alfred Field & Co., New York.
Hammacher, Schlemmer & Co. New York.
Th. M. Hass, New York.
Holroyd & Co., Waterford, N. Y.
C. E. Jennings & Co., New York.
Standard Tool Co., Cleveland, O.
Stanley Rule & Level Co., New Britain Conn.
Tuck Mfg. Co, Brockton, Mass.
Underhill, Clinch & Co., New York.
Whitman & Barnes Mfg. Co., New York, Cincinnati, Chicago, Kansas City.

Traps.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
John H. Graham & Co., New York.
Smith & Egge Mfg. Co., Bridgeport, Ct.

Trowels.
E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Sons, Philadelphia.
Alfred Field & Co., New York.
C. E. Jennings & Co., New York.
F. E. Kohler & Co., Canton, Ohio.
National Saw Co., Newark, N. J.

Trucks, Store.
Boston & Lockport Block Co., Lockport N. Y.
John Chatillon & Sons, New York.
John H. Graham & Co., New York.
Sidney Steel Scraper Co., Sidney, Ohio.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Tubing.
New York Belting & Packing Co., Ltd., New York.
Pope Tube Co., Hartford, Conn.

Valves.
Berger Bros., Philadelphia.
Kendrick Valve & Washer Co., Syracuse, N. Y.
F. E. Myers & Bro., Ashland Ohio.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Varnishes.
Chas. H. Gillespie & Sons, Jersey City, N. J., Glasgow, Scotland.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol. Mass.
Alfred Field & Co, New York.
Howard Iron Works, Buffalo, N. Y.
Tower & Lyon, New York.
Van Wagoner & Williams Hardware Co., New York.

Wagon Jacks.
Boston & Lockport Block Co., Boston and Lockport, N. Y.
Lane Brothers, Poughkeepsie, N. Y.

Wagon Umbrellas.
Sprague Umbrella Co., Norwalk, Ohio.

Washers.
Kendrick Valve & Washer Co. Syracuse, N. Y.

Washing Machines.
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Strobel Mfg. Co., Marion, Ohio.

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E Imhauser, New York.
Nanz & Co., New York.

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T. W. Houchin, New York.
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Wheelbarrows.
Akron Cultivator Co., Akron, O.
Arnold Metal Wheel Co., New London, Ohio.
Bryan Mfg. Co., Bryan, Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Sidney Steel Scraper Co., Sidney, Ohio.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

Window Lines, Pulleys, etc.
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Window Screens.
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Estey Wire Works Co., New York.
John H. Graham & Co., New York.
A. J. Phillips Co., Fenton, Mich.

Window Stop Adjusters.
Taplin Mfg. Co., Forrestville, Ct.

Wire, Manufacturers.
Bruce & Cook, New York.
Dunbar Bros., Bristol, Conn.
Alfred Field & Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago San Francisco.
Salem Wire Nail Co., Salem, Ohio.
The Malin & Co., Cleveland, Ohio.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton Mass.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Goods Manufacturers.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Fuller Bros. & Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
T. F. Welch & Co., Boston.
Wright & Colton Wire Cloth Co. Worcester, Mass.

Wire Gates, Fences and Fencing.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Stewart Iron Works, Cin'nati, O.
Wright & Colton Wire Cloth Co. Worcester, Mass.

Wire Lathing.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wire Nails.
Bruce & Cook, New York.
Salem Wire Nail Co., Salem, Ohio

Wire Work.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

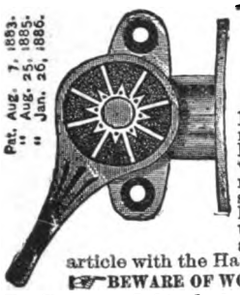
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F. E. Myers & Bro., Ashland, Ohio.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Tower & Lyon, New York.

Wrought Butts.
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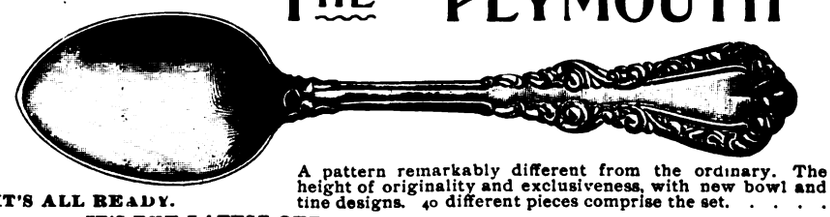
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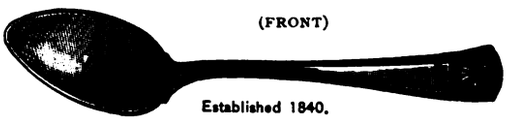
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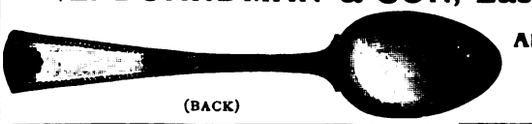
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HARDWARE BUYERS' DIRECTORY.

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"JERSEY" POULTRY NETTING and FARM FENCING,

PAINTED AND GALVANIZED WINDOW SCREEN CLOTH.

AND EVERY KIND OF

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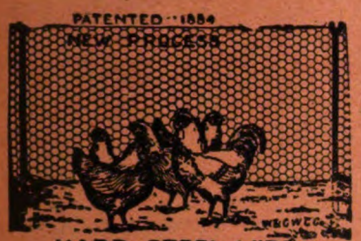
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Poultry Netting *All meshes and sizes of Wire, Galv'd "BEFORE" and "AFTER" Weaving.*

WIRE CLOTH *Galvanized, Tinned and Black, Brass, Copper and Rust Proof.*

WIRE *Annealed, Bright Tinned and Galvanized, also Solid Copper Wire.*

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ESTABLISHED 1818.

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It is made of Heavy Galvanized Wire, and Easily Adjusted to a Pole. It has been sold for several years, and the demand (as it is becoming known) is steadily increasing. The difficulty of detaching fruit and securing it unbruised is apparent to everyone so engaged. This overcomes the difficulty, and saves the finest fruit which commands the highest prices.

THE LOW PRICE AT WHICH IT IS SOLD

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American Seal.

"This Brand is Reliable."
BUILDERS' AND ROOFERS'
ELASTIC OIL CEMENT
For Slate, Tile and Metal Roofs.
METALLIC and GRAPHITE PAINT
For painting Iron, Tin, Brick, Stone or Wood on any surface inside or outside.
ASBESTOS FURNACE CEMENT, STOVE PUTTY and PLASTIC STOVE LINING.
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ORNAMENTAL Gives a FINE FINISH.
USEFUL Prevents RATTLING or STICKING of Window Sashes.
ECONOMICAL Keeps out COLD and DUST.
A STAPLE ARTICLE.
A Perfect Adjuster for Sliding Door Stops. Finished in Solid Bronze, Oxidized Copper, Nickel and Gold Plate, or as ordered. Securely packed, with screws to match. To fasten in stops, simply bore ½-inch hole and they will drive in just right.
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Tensile strength one-half greater than that of any other nail made.

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